

09/ 582,442

Trying 3106016892...Open

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Files
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Derwent World Patents Index files
NEWS 5 Oct 27 Patent Assignee Code Dictionary now available
in Derwent Patent Files
NEWS 6 Oct 27 Plasdoc Key Serials Dictionary and Echoing added to
Derwent Subscriber Files WPIDS and WPIX
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NEWS 8 Dec 5 French Multi-Disciplinary Database PASCAL Now on STN
NEWS 9 Dec 5 Trademarks on STN - New DEMAS and EUMAS Files
NEWS 10 Dec 15 2001 STN Pricing
NEWS 11 Dec 17 Merged CEABA-VTB for chemical engineering and
biotechnology
NEWS 12 Dec 17 Corrosion Abstracts on STN
NEWS 13 Dec 17 SYNTHLINE from Prous Science now available on STN
NEWS 14 Dec 17 The CA Lexicon available in the CAPLUS and CA files
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FILE 'HOME' ENTERED AT 10:05:32 ON 09 JAN 2001

=> file reg

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

09/ 582,442

	ENTRY	SESSION
FULL ESTIMATED COST	0.15	0.15

FILE 'REGISTRY' ENTERED AT 10:05:38 ON 09 JAN 2001
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STRUCTURE FILE UPDATES: 8 JAN 2001 HIGHEST RN 313216-31-8
DICTIONARY FILE UPDATES: 8 JAN 2001 HIGHEST RN 313216-31-8

TSCA INFORMATION NOW CURRENT THROUGH July 8, 2000

Please note that search-term pricing does apply when
conducting SmartSELECT searches.

Structure search limits have been increased. See HELP SLIMIT
for details.

=>

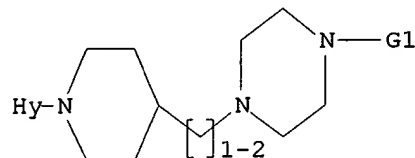
Uploading 582442.str

L1 STRUCTURE UPLOADED

=> d l1

L1 HAS NO ANSWERS

L1 STR



G1 CH2, SO2

Structure attributes must be viewed using STN Express query preparation.

=> s l1

SAMPLE SEARCH INITIATED 10:06:14 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED - 245 TO ITERATE

100.0% PROCESSED	245 ITERATIONS	18 ANSWERS
SEARCH TIME: 00.00.01		

FULL FILE PROJECTIONS:	ONLINE	**COMPLETE**
	BATCH	**COMPLETE**
PROJECTED ITERATIONS:	3961 TO	5839
PROJECTED ANSWERS:	106 TO	614

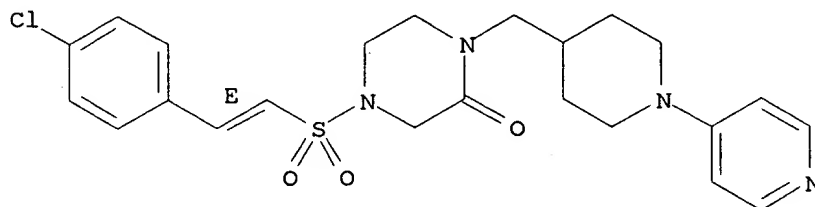
L2 18 SEA SSS SAM L1

09/ 582,442

=> d scan 12

L2 18 ANSWERS REGISTRY COPYRIGHT 2001 ACS
IN Piperazinone, 4-[[[(1E)-2-(4-chlorophenyl)ethenyl]sulfonyl]-1-[[1-(4-pyridinyl)-4-piperidinyl]methyl]-, monohydrochloride (9CI)
MF C23 H27 Cl N4 O3 S . Cl H

Double bond geometry as shown.



● HCl

HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):0

=> s ll ful

FULL SEARCH INITIATED 10:06:40 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED - 4494 TO ITERATE

100.0% PROCESSED 4494 ITERATIONS
SEARCH TIME: 00.00.04

375 ANSWERS

L3 375 SEA SSS FUL L1

=> file caplus

COST IN U.S. DOLLARS

SINCE FILE	TOTAL
ENTRY	SESSION
133.87	134.02

FULL ESTIMATED COST

FILE 'CAPLUS' ENTERED AT 10:06:53 ON 09 JAN 2001
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FILE COVERS 1967 - 9 Jan 2001 VOL 134 ISS 3
FILE LAST UPDATED: 8 Jan 2001 (20010108/ED)

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=> s 13

L4 8 L3

=> d 14 1- ibib abs hitstr

YOU HAVE REQUESTED DATA FROM 8 ANSWERS - CONTINUE? Y/(N):y

L4 ANSWER 1 OF 8 CAPLUS COPYRIGHT 2001 ACS
ACCESSION NUMBER: 1999:511143 CAPLUS
DOCUMENT NUMBER: 131:170361
TITLE: Preparation of sulfonamides as inhibitors of
activated
 blood coagulation factor X
INVENTOR(S): Tawada, Hiroyuki; Itoh, Fumio; Banno, Hiroshi;
 Terashita, Zenichi
PATENT ASSIGNEE(S): Takeda Chemical Industries, Ltd., Japan
SOURCE: PCT Int. Appl., 187 pp.
 CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
-----	---	-----	-----	-----
WO 9940075	A1	19990812	WO 1999-JP470	19990204
W:	AL, AM, AU, AZ, BA, BB, BG, BR, BY, CA, CN, CU, CZ, EE, GD, GE, HR, HU, ID, IL, IN, IS, JP, KE, KG, KR, KZ, LC, LK, LR, LT, LV, MD, MG, MK, MN, MX, NO, NZ, PL, RO, RU, SG, SI, SK, SL, TJ, TM, TR, TT, UA, US, UZ, VN, YU, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM			

RW: GH, GM, KE, LS, MW, SD, SZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG

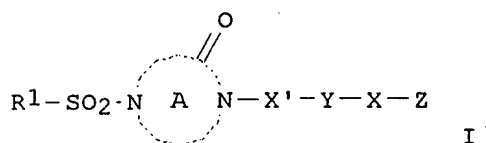
AU 9922988	A1	19990823	AU 1999-22988	19990204
JP 2000204081	A2	20000725	JP 1999-27053	19990204
EP 1054005	A1	20001122	EP 1999-902829	19990204

R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, FI

PRIORITY APPLN. INFO.: JP 1998-24833 19980205
 JP 1998-317205 19981109
 WO 1999-JP470 19990204

OTHER SOURCE(S): MARPAT 131:170361

GI



AB The title compds. I [R¹ represents a hydrocarbonyl or heterocyclic group each optionally substituted; the ring A represents a divalent nitrogen-contg. heterocycle group optionally further substituted; X' represents optionally substituted alkylene; Y represents an optionally substituted divalent cyclic group; X represents a bond or optionally substituted alkylene; and Z represents optionally substituted amino, optionally substituted imidoyl, or an optionally substituted nitrogen-contg. heterocyclic group] are prepd. Formulations contg. a compd. of this invention are given. In a test for inhibiting activity of title compds. against activated blood coagulation factor X, 1-(4-amidinobenzyl)-4-(6-chloronaphthalene-2-sulfonyl)-2-piperazinone hydrochloride showed IC₅₀ of 0.05 .mu.M.

IT 229646-37-1P 239071-44-4P 239071-46-6P
 239071-47-7P 239071-48-8P 239071-50-2P
 239071-51-3P 239071-52-4P 239071-53-5P
 239071-54-6P 239071-55-7P 239071-62-6P
 239071-63-7P 239071-64-8P 239071-65-9P
 239071-66-0P 239071-67-1P 239071-68-2P
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 239071-79-5P 239071-81-9P 239071-82-0P
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 239072-05-0P 239072-23-2P 239072-29-8P
 239072-30-1P 239072-31-2P 239072-32-3P
 239072-33-4P 239072-34-5P 239072-35-6P
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239074-62-5P

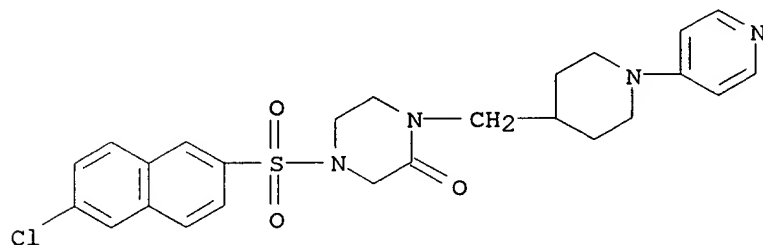
RL: BAC (Biological activity or effector, except adverse); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)

(prepn. of sulfonamides as inhibitors of activated blood coagulation factor X)

RN 229646-37-1 CAPLUS

CN Piperazinone,

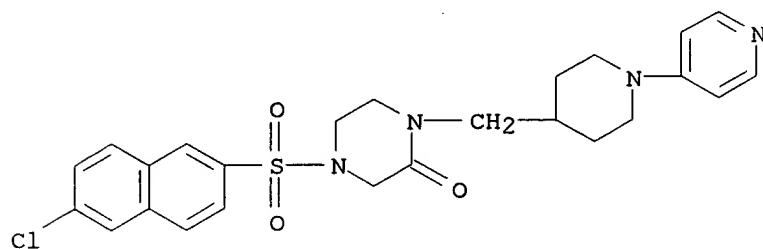
4-[(6-chloro-2-naphthalenyl)sulfonyl]-1-[[1-(4-pyridinyl)-4-piperidinyl]methyl]- (9CI) (CA INDEX NAME)



RN 239071-44-4 CAPLUS

CN Piperazinone,

4-[(6-chloro-2-naphthalenyl)sulfonyl]-1-[[1-(4-pyridinyl)-4-piperidinyl]methyl]-, monohydrochloride (9CI) (CA INDEX NAME)

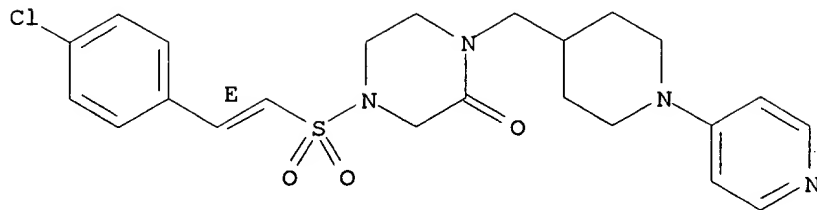


● HCl

RN 239071-46-6 CAPLUS

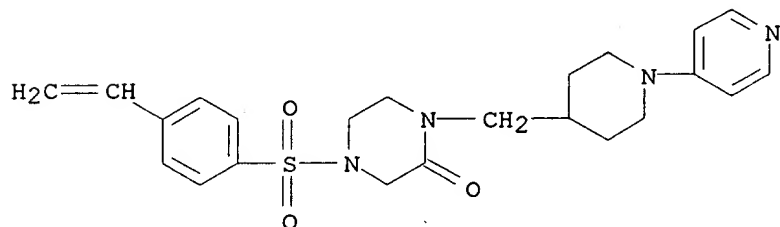
CN Piperazinone, 4-[[[(1E)-2-(4-chlorophenyl)ethenyl]sulfonyl]-1-[[1-(4-pyridinyl)-4-piperidinyl]methyl]-, monohydrochloride (9CI) (CA INDEX NAME)

Double bond geometry as shown.



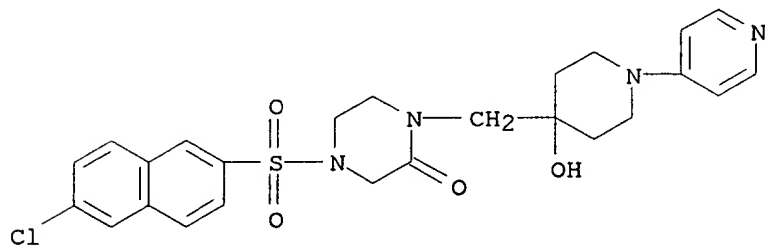
● HCl

RN 239071-47-7 CAPLUS
 CN Piperazinone, 4-[(4-ethenylphenyl)sulfonyl]-1-[[1-(4-pyridinyl)-4-piperidinyl]methyl]-, monohydrochloride (9CI) (CA INDEX NAME)



● HCl

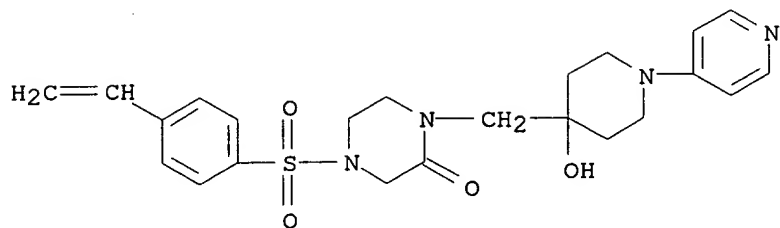
RN 239071-48-8 CAPLUS
 CN Piperazinone, 4-[(6-chloro-2-naphthalenyl)sulfonyl]-1-[[4-hydroxy-1-(4-pyridinyl)-4-piperidinyl]methyl]-, monohydrochloride (9CI) (CA INDEX NAME)



● HCl

RN 239071-50-2 CAPLUS
 CN Piperazinone,
 4-[(4-ethenylphenyl)sulfonyl]-1-[[4-hydroxy-1-(4-pyridinyl)-

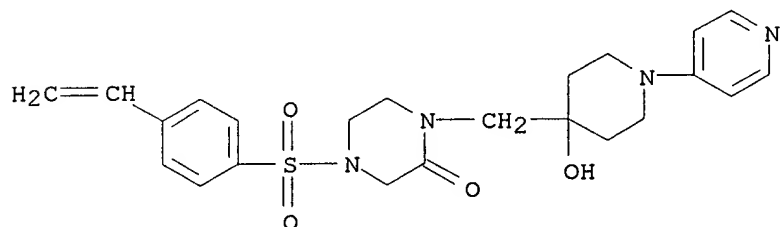
4-piperidinyl)methyl]- (9CI) (CA INDEX NAME)



RN 239071-51-3 CAPLUS

CN Piperazinone,

4-[(4-ethenylphenyl)sulfonyl]-1-[[4-hydroxy-1-(4-pyridinyl)-4-piperidinyl]methyl]-, monohydrochloride (9CI) (CA INDEX NAME)

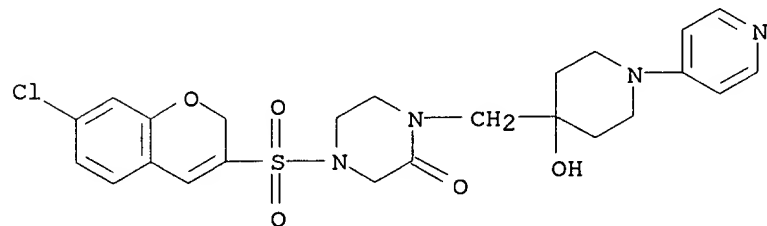


● HCl

RN 239071-52-4 CAPLUS

CN Piperazinone,

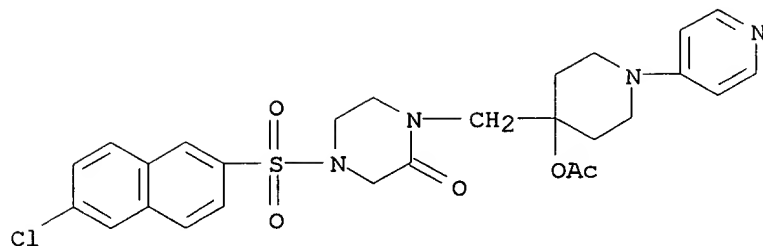
4-[(7-chloro-2H-1-benzopyran-3-yl)sulfonyl]-1-[[4-hydroxy-1-(4-pyridinyl)-4-piperidinyl]methyl]- (9CI) (CA INDEX NAME)



RN 239071-53-5 CAPLUS

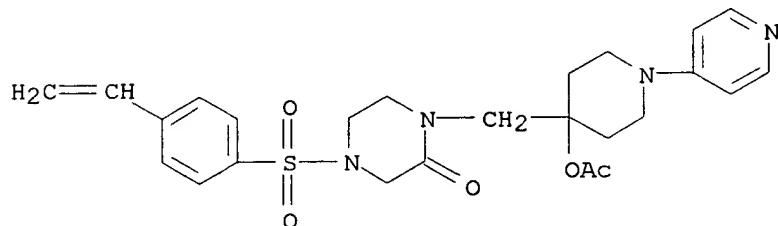
CN Piperazinone,

1-[[4-(acetyloxy)-1-(4-pyridinyl)-4-piperidinyl]methyl]-4-[(6-chloro-2-naphthalenyl)sulfonyl]- (9CI) (CA INDEX NAME)



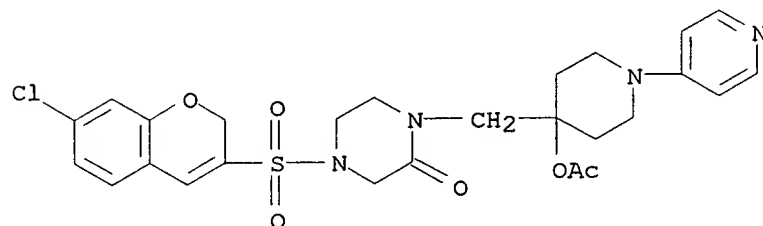
RN 239071-54-6 CAPLUS

CN Piperazinone, 1-[[4-(acetyloxy)-1-(4-pyridinyl)-4-piperidinyl]methyl]-4-[(4-ethenylphenyl)sulfonyl]- (9CI) (CA INDEX NAME)



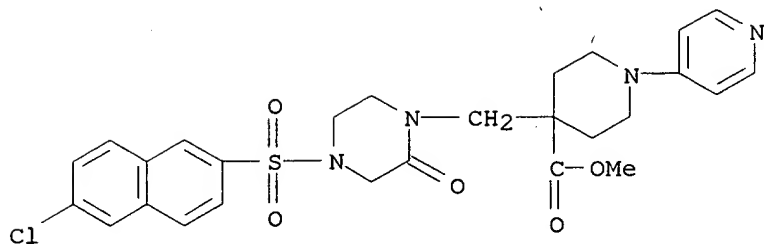
RN 239071-55-7 CAPLUS

CN Piperazinone, 1-[[4-(acetyloxy)-1-(4-pyridinyl)-4-piperidinyl]methyl]-4-[(7-chloro-2H-1-benzopyran-3-yl)sulfonyl]- (9CI) (CA INDEX NAME)



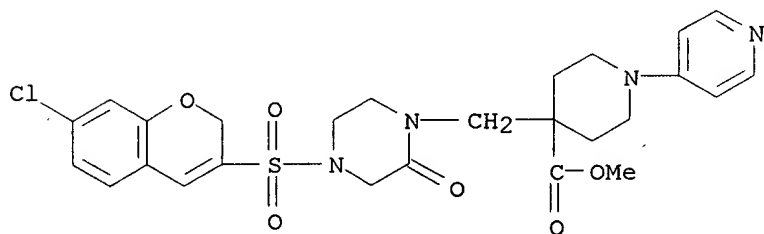
RN 239071-62-6 CAPLUS

CN 4-Piperidinecarboxylic acid, 4-[[4-[(6-chloro-2-naphthalenyl)sulfonyl]-2-oxo-1-piperazinyl]methyl]-1-(4-pyridinyl)-, methyl ester, monohydrochloride (9CI) (CA INDEX NAME)

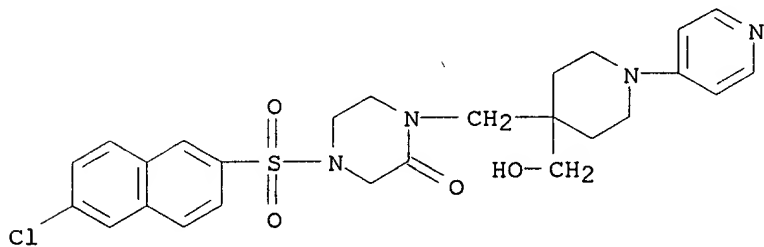


● HCl

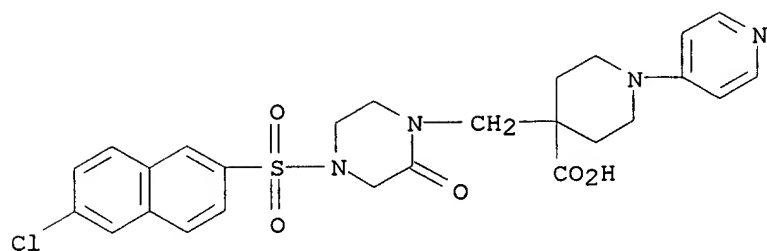
RN 239071-63-7 CAPLUS
 CN 4-Piperidinecarboxylic acid, 4-[[4-[(7-chloro-2H-1-benzopyran-3-yl)sulfonyl]-2-oxo-1-piperazinyl]methyl]-1-(4-pyridinyl)-, methyl ester (9CI) (CA INDEX NAME)



RN 239071-64-8 CAPLUS
 CN Piperazinone,
 4-[(6-chloro-2-naphthalenyl)sulfonyl]-1-[[4-(hydroxymethyl)-1-(4-pyridinyl)-4-piperidinyl]methyl]- (9CI) (CA INDEX NAME)



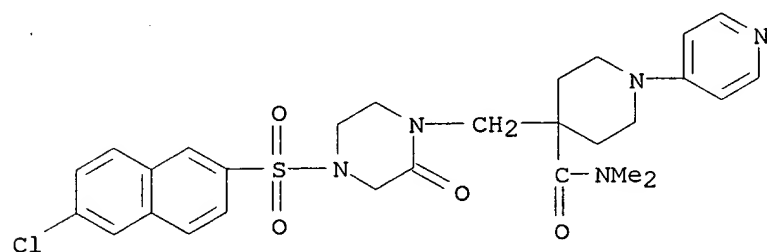
RN 239071-65-9 CAPLUS
 CN 4-Piperidinecarboxylic acid, 4-[[4-[(6-chloro-2-naphthalenyl)sulfonyl]-2-oxo-1-piperazinyl]methyl]-1-(4-pyridinyl)- (9CI) (CA INDEX NAME)



RN 239071-66-0 CAPLUS

CN 4-Piperidinecarboxamide,

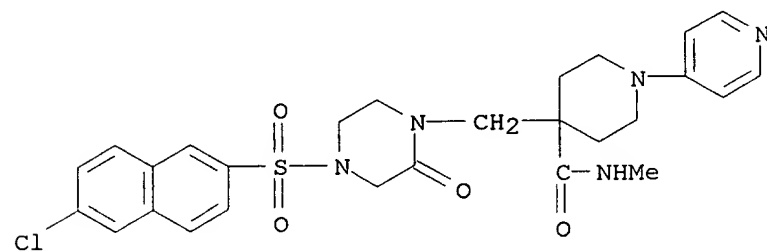
4-[[4-[(6-chloro-2-naphthalenyl)sulfonyl]-2-oxo-1-piperazinyl]methyl]-N,N-dimethyl-1-(4-pyridinyl)- (9CI) (CA INDEX NAME)



RN 239071-67-1 CAPLUS

CN 4-Piperidinecarboxamide,

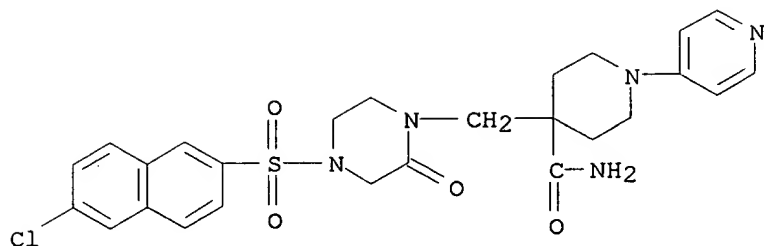
4-[[4-[(6-chloro-2-naphthalenyl)sulfonyl]-2-oxo-1-piperazinyl]methyl]-N-methyl-1-(4-pyridinyl)- (9CI) (CA INDEX NAME)



RN 239071-68-2 CAPLUS

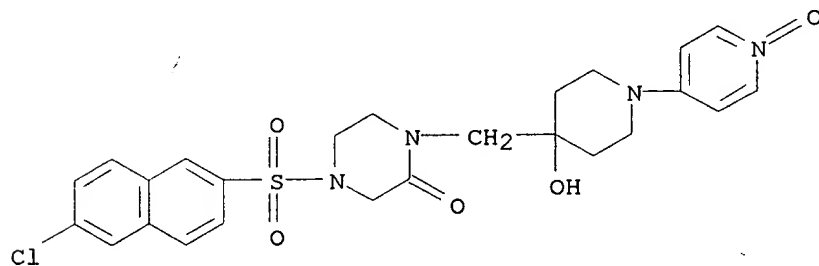
CN 4-Piperidinecarboxamide,

4-[[4-[(6-chloro-2-naphthalenyl)sulfonyl]-2-oxo-1-piperazinyl]methyl]-1-(4-pyridinyl)- (9CI) (CA INDEX NAME)



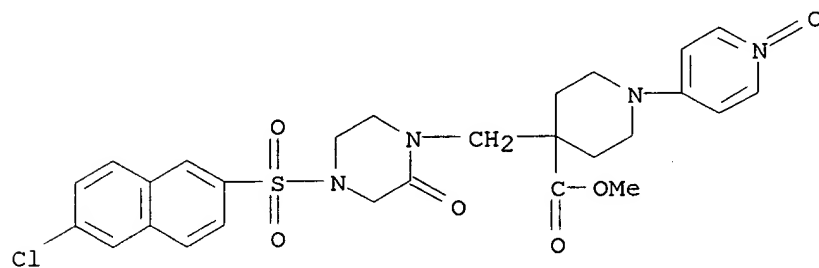
RN 239071-69-3 CAPLUS

CN Piperazinone, 4-[(6-chloro-2-naphthalenyl)sulfonyl]-1-[[4-hydroxy-1-(1-oxido-4-pyridinyl)-4-piperidinyl]methyl]- (9CI) (CA INDEX NAME)



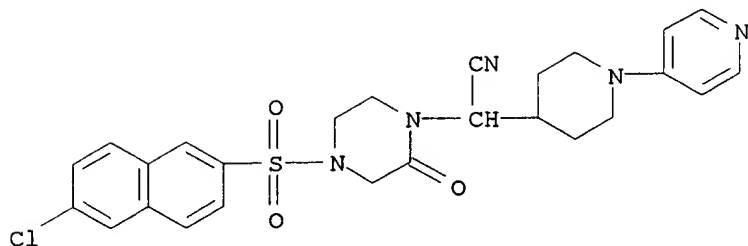
RN 239071-70-6 CAPLUS

CN 4-Piperidinecarboxylic acid, 4-[[4-[(6-chloro-2-naphthalenyl)sulfonyl]-2-oxo-1-piperazinyl]methyl]-1-(1-oxido-4-pyridinyl)-, methyl ester (9CI) (CA INDEX NAME)



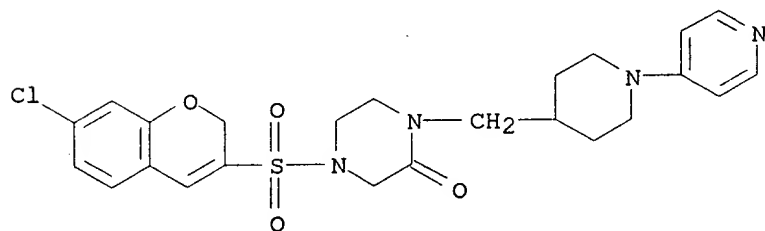
RN 239071-71-7 CAPLUS

CN 1-Piperazineacetonitrile, 4-[(6-chloro-2-naphthalenyl)sulfonyl]-2-oxo-.alpha.-[1-(4-pyridinyl)-4-piperidinyl]- (9CI) (CA INDEX NAME)



RN 239071-79-5 CAPLUS

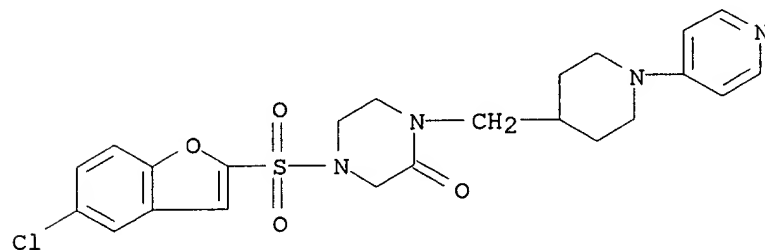
CN Piperazinone, 4-[(7-chloro-2H-1-benzopyran-3-yl)sulfonyl]-1-[[1-(4-pyridinyl)-4-piperidinyl]methyl]-, monohydrochloride (9CI) (CA INDEX NAME)



● HCl

RN 239071-81-9 CAPLUS

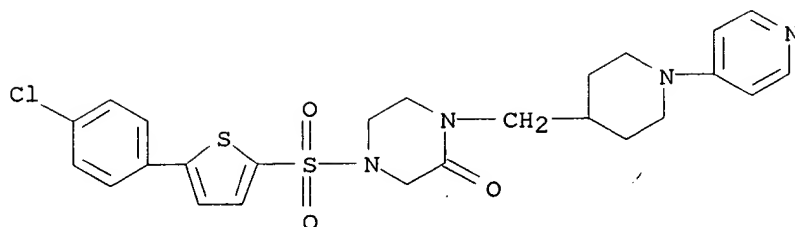
CN Piperazinone, 4-[(5-chloro-2-benzofuranyl)sulfonyl]-1-[[1-(4-pyridinyl)-4-piperidinyl]methyl]-, monohydrochloride (9CI) (CA INDEX NAME)



● HCl

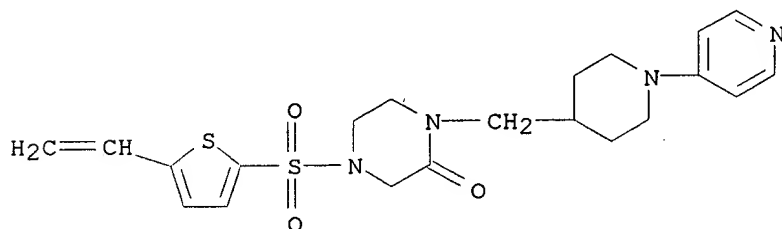
RN 239071-82-0 CAPLUS

CN Piperazinone, 4-[[5-(4-chlorophenyl)-2-thienyl]sulfonyl]-1-[[1-(4-pyridinyl)-4-piperidinyl]methyl]- (9CI) (CA INDEX NAME)



RN 239071-83-1 CAPLUS

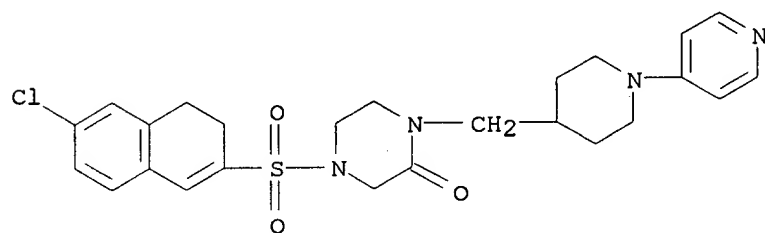
CN Piperazinone, 4-[(5-ethenyl-2-thienyl)sulfonyl]-1-[[1-(4-pyridinyl)-4-piperidinyl]methyl]-, monohydrochloride (9CI) (CA INDEX NAME)



● HCl

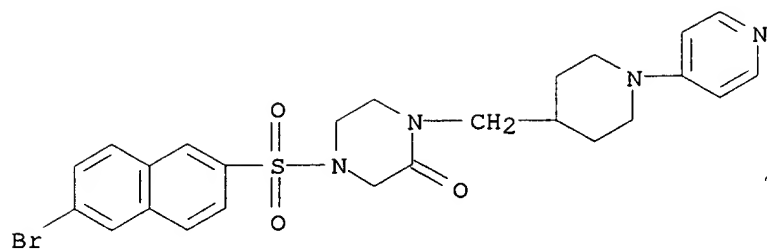
RN 239071-85-3 CAPLUS

CN Piperazinone, 4-[(6-chloro-3,4-dihydro-2-naphthalenyl)sulfonyl]-1-[[1-(4-pyridinyl)-4-piperidinyl]methyl]- (9CI) (CA INDEX NAME)



RN 239071-86-4 CAPLUS

CN Piperazinone, 4-[(6-bromo-2-naphthalenyl)sulfonyl]-1-[[1-(4-pyridinyl)-4-piperidinyl]methyl]-, monohydrochloride (9CI) (CA INDEX NAME)

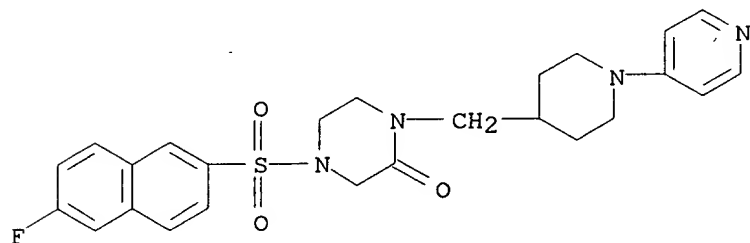


● HCl

RN 239071-87-5 CAPLUS

CN Piperazinone,

4-[(6-fluoro-2-naphthalenyl)sulfonyl]-1-[[1-(4-pyridinyl)-4-piperidinyl]methyl]-, monohydrochloride (9CI) (CA INDEX NAME)

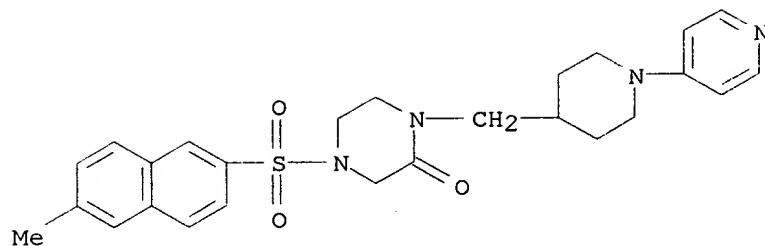


● HCl

RN 239071-88-6 CAPLUS

CN Piperazinone,

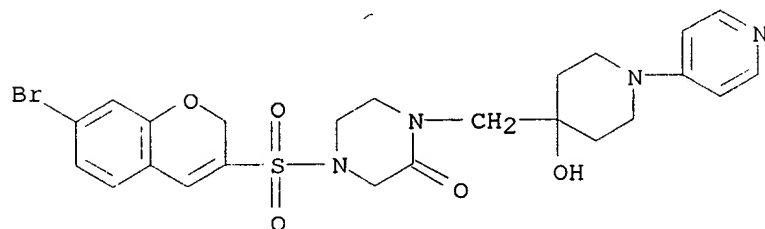
4-[(6-methyl-2-naphthalenyl)sulfonyl]-1-[[1-(4-pyridinyl)-4-piperidinyl]methyl]-, monohydrochloride (9CI) (CA INDEX NAME)



● HCl

RN 239071-92-2 CAPLUS

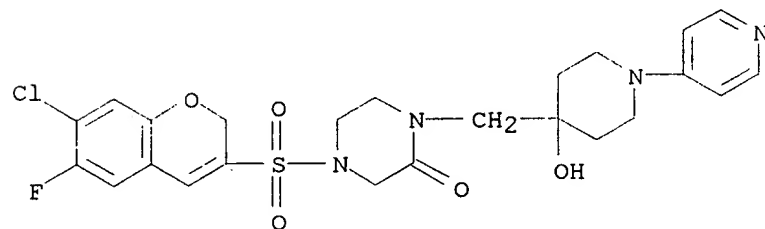
CN: Piperazinone, 4-[(7-bromo-2H-1-benzopyran-3-yl)sulfonyl]-1-[[4-hydroxy-1-(4-pyridinyl)-4-piperidinyl]methyl]-, monohydrochloride (9CI) (CA INDEX NAME)



● HCl

RN 239071-93-3 CAPLUS

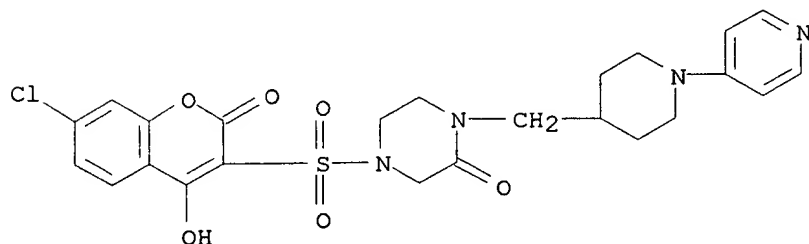
CN: Piperazinone, 4-[(7-chloro-6-fluoro-2H-1-benzopyran-3-yl)sulfonyl]-1-[[4-hydroxy-1-(4-pyridinyl)-4-piperidinyl]methyl]-, monohydrochloride (9CI) (CA INDEX NAME)



HCl

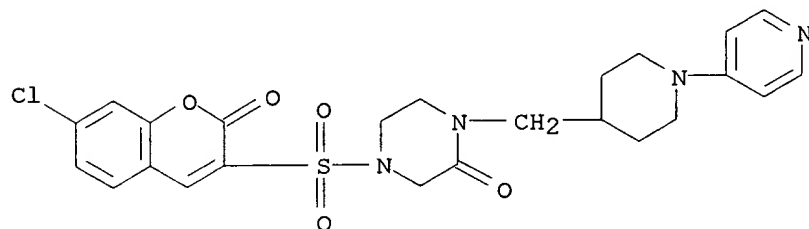
RN 239071-94-4 CAPLUS

CN Piperazinone,

4-[(7-chloro-4-hydroxy-2-oxo-2H-1-benzopyran-3-yl)sulfonyl]-
1-[[1-(4-pyridinyl)-4-piperidinyl]methyl]- (9CI) (CA INDEX NAME)

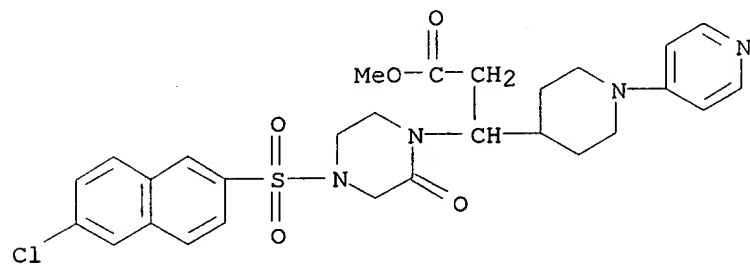
RN 239071-97-7 CAPLUS

CN Piperazinone, 4-[(7-chloro-2-oxo-2H-1-benzopyran-3-yl)sulfonyl]-1-[[1-(4-pyridinyl)-4-piperidinyl]methyl]- (9CI) (CA INDEX NAME)



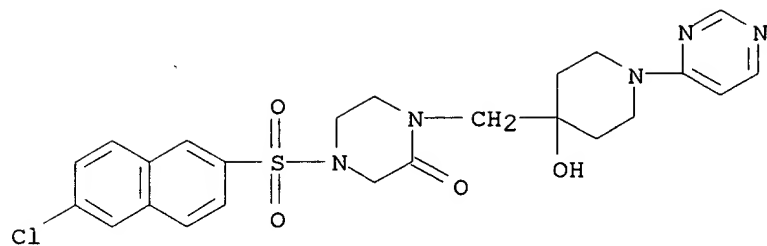
RN 239071-98-8 CAPLUS

CN 1-Piperazinepropanoic acid, 4-[(6-chloro-2-naphthalenyl)sulfonyl]-2-oxo-.beta.-[1-(4-pyridinyl)-4-piperidinyl]-, methyl ester (9CI) (CA INDEX NAME)



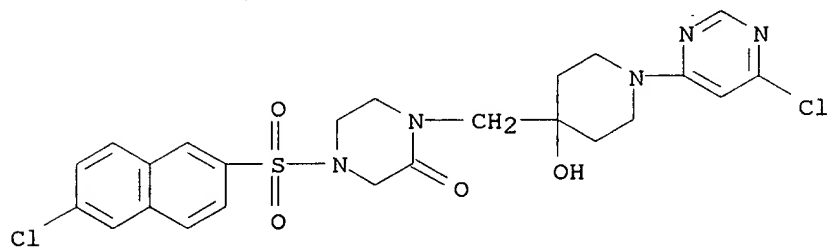
RN 239071-99-9 CAPLUS

CN Piperazinone, 4-[(6-chloro-2-naphthalenyl)sulfonyl]-1-[[4-hydroxy-1-(4-pyrimidinyl)-4-piperidinyl]methyl]- (9CI) (CA INDEX NAME)



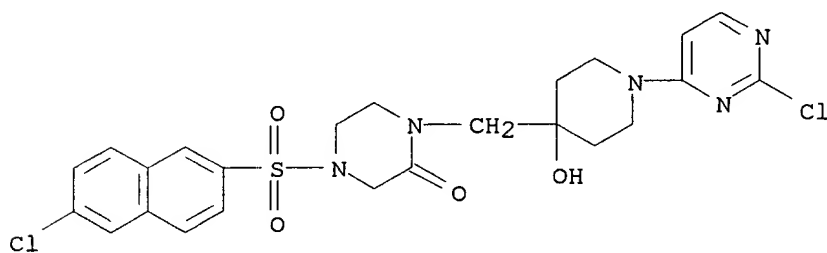
RN 239072-00-5 CAPLUS

CN Piperazinone, 4-[(6-chloro-2-naphthalenyl)sulfonyl]-1-[[1-(6-chloro-4-pyrimidinyl)-4-hydroxy-4-piperidinyl]methyl]- (9CI) (CA INDEX NAME)



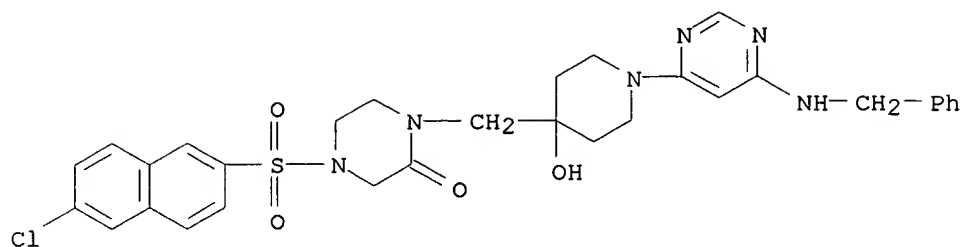
RN 239072-01-6 CAPLUS

CN Piperazinone, 4-[(6-chloro-2-naphthalenyl)sulfonyl]-1-[[1-(2-chloro-4-pyrimidinyl)-4-hydroxy-4-piperidinyl]methyl]- (9CI) (CA INDEX NAME)



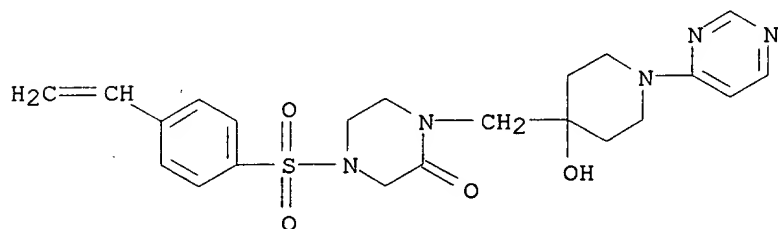
RN 239072-02-7 CAPLUS

CN Piperazinone, 4-[(6-chloro-2-naphthalenyl)sulfonyl]-1-[[4-hydroxy-1-[6-[(phenylmethyl)amino]-4-pyrimidinyl]-4-piperidinyl]methyl]- (9CI) (CA INDEX NAME)



RN 239072-03-8 CAPLUS

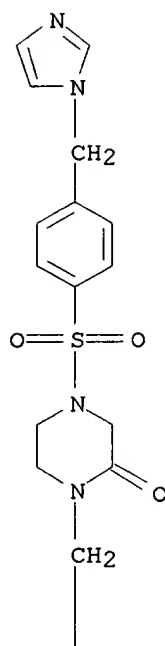
CN Piperazinone, 4-[(4-ethenylphenyl)sulfonyl]-1-[[4-hydroxy-1-(4-pyrimidinyl)-4-piperidinyl]methyl]- (9CI) (CA INDEX NAME)



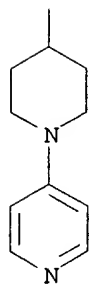
RN 239072-05-0 CAPLUS

CN Piperazinone, 4-[[4-(1H-imidazol-1-ylmethyl)phenyl)sulfonyl]-1-[[1-(4-pyridinyl)-4-piperidinyl]methyl]-, dihydrochloride (9CI) (CA INDEX NAME)

PAGE 1-A

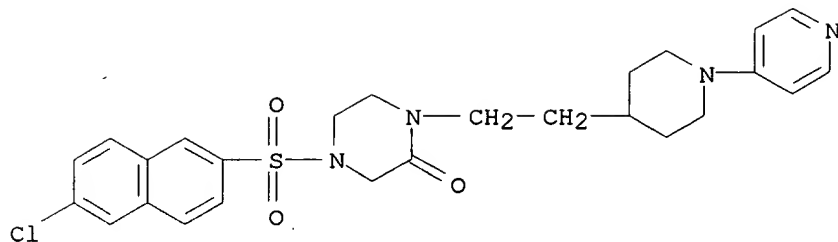


PAGE 2-A



● 2 HCl

RN 239072-23-2 CAPLUS
 CN Piperazinone,
 4-[(6-chloro-2-naphthalenyl)sulfonyl]-1-[2-[1-(4-pyridinyl)-
 4-piperidinyl]ethyl]-, monohydrochloride (9CI) (CA INDEX NAME)

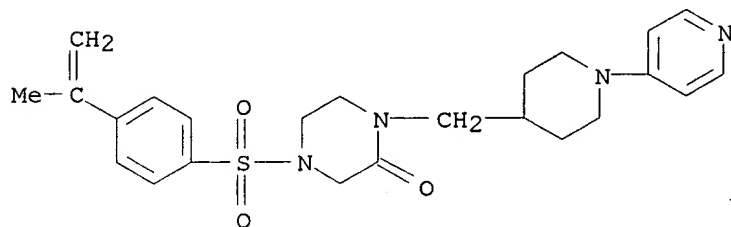


● HCl

RN 239072-29-8 CAPLUS

CN Piperazinone,

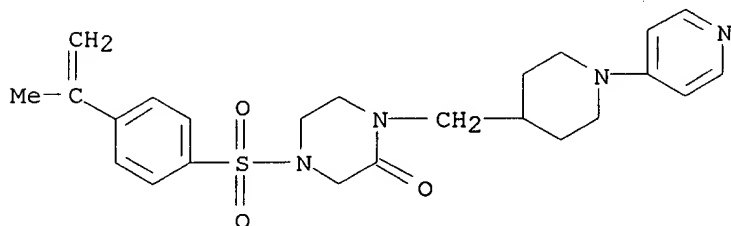
4-[[4-(1-methylethenyl)phenyl]sulfonyl]-1-[[1-(4-pyridinyl)-4-piperidinyl]methyl]- (9CI) (CA INDEX NAME)



RN 239072-30-1 CAPLUS

CN Piperazinone,

4-[[4-(1-methylethenyl)phenyl]sulfonyl]-1-[[1-(4-pyridinyl)-4-piperidinyl]methyl]-, monohydrochloride (9CI) (CA INDEX NAME)



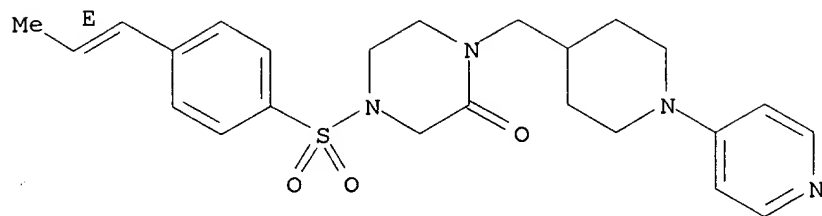
● HCl

RN 239072-31-2 CAPLUS

CN Piperazinone,

4-[[4-(1E)-1-propenylphenyl]sulfonyl]-1-[[1-(4-pyridinyl)-4-piperidinyl]methyl]- (9CI) (CA INDEX NAME)

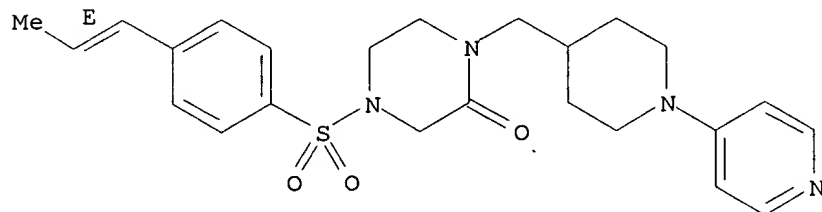
Double bond geometry as shown.



RN 239072-32-3 CAPLUS

CN Piperazinone, 4-[[4-(1E)-1-propenylphenyl]sulfonyl]-1-[[1-(4-pyridinyl)-4-piperidinyl]methyl]-, monohydrochloride (9CI) (CA INDEX NAME)

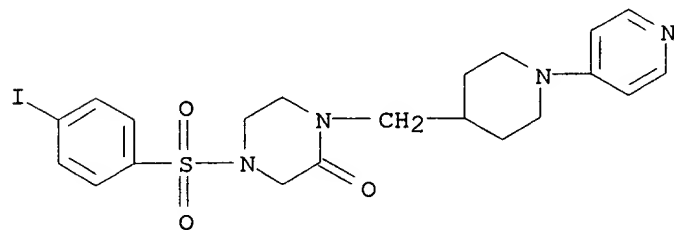
Double bond geometry as shown.



● HCl

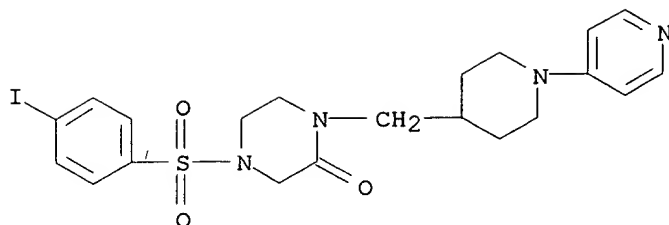
RN 239072-33-4 CAPLUS

CN Piperazinone, 4-[(4-iodophenyl)sulfonyl]-1-[[1-(4-pyridinyl)-4-piperidinyl]methyl]- (9CI) (CA INDEX NAME)



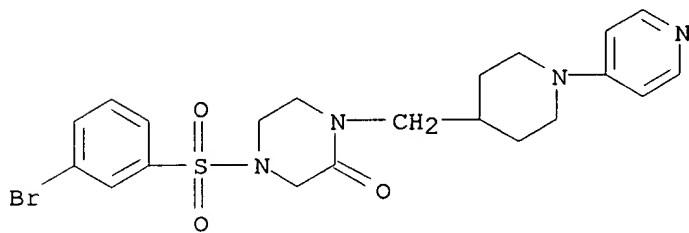
RN 239072-34-5 CAPLUS

CN Piperazinone, 4-[(4-iodophenyl)sulfonyl]-1-[[1-(4-pyridinyl)-4-piperidinyl]methyl]-, monohydrochloride (9CI) (CA INDEX NAME)

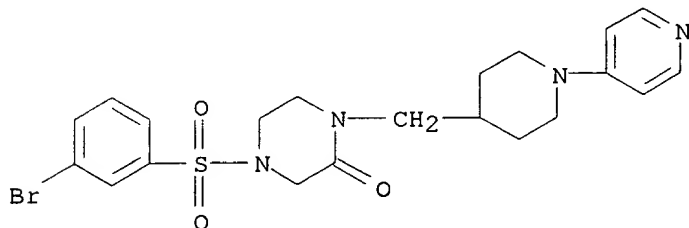


● HCl

RN 239072-35-6 CAPLUS
 CN Piperazinone, 4-[(3-bromophenyl)sulfonyl]-1-[[1-(4-pyridinyl)-4-piperidinyl]methyl]- (9CI) (CA INDEX NAME)

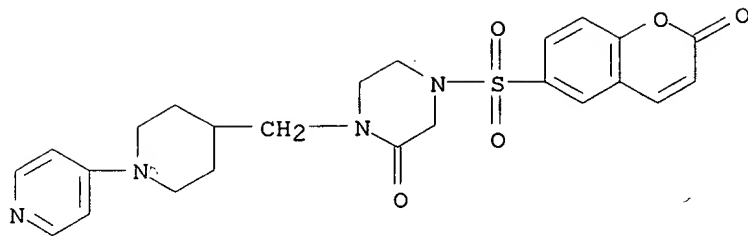


RN 239072-36-7 CAPLUS
 CN Piperazinone, 4-[(3-bromophenyl)sulfonyl]-1-[[1-(4-pyridinyl)-4-piperidinyl]methyl]-, monohydrochloride (9CI) (CA INDEX NAME)



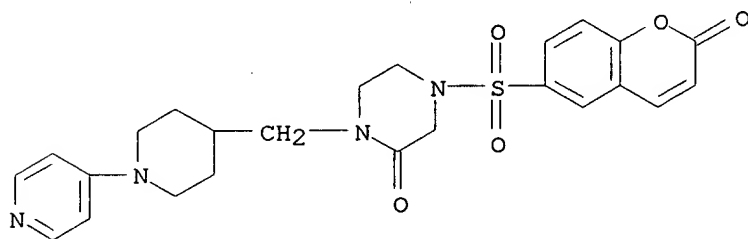
● HCl

RN 239072-37-8 CAPLUS
 CN Piperazinone,
 4-[(2-oxo-2H-1-benzopyran-6-yl)sulfonyl]-1-[[1-(4-pyridinyl)-4-piperidinyl]methyl]- (9CI) (CA INDEX NAME)



RN 239072-38-9 CAPLUS

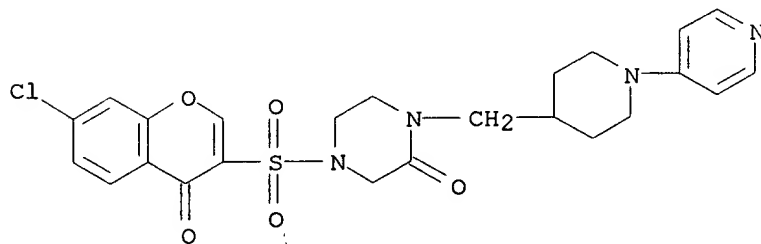
CN Piperazinone, 4-[(2-oxo-2H-1-benzopyran-6-yl)sulfonyl]-1-[[1-(4-pyridinyl)-4-piperidinyl]methyl]-, monohydrochloride (9CI) (CA INDEX NAME)



● HCl

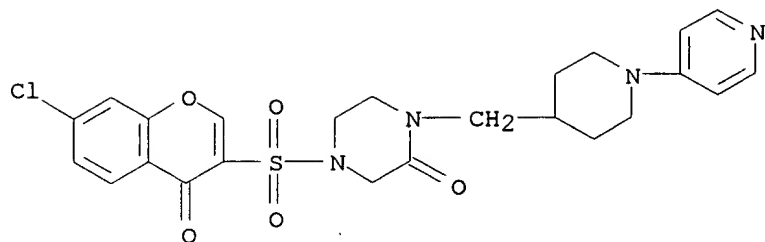
RN 239072-39-0 CAPLUS

CN Piperazinone, 4-[(7-chloro-4-oxo-4H-1-benzopyran-3-yl)sulfonyl]-1-[[1-(4-pyridinyl)-4-piperidinyl]methyl]- (9CI) (CA INDEX NAME)



RN 239072-40-3 CAPLUS

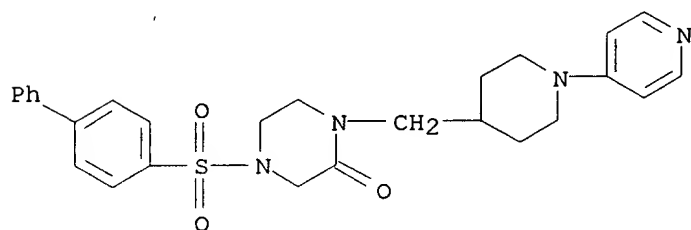
CN Piperazinone, 4-[(7-chloro-4-oxo-4H-1-benzopyran-3-yl)sulfonyl]-1-[[1-(4-pyridinyl)-4-piperidinyl]methyl]-, monohydrochloride (9CI) (CA INDEX NAME)



● HCl

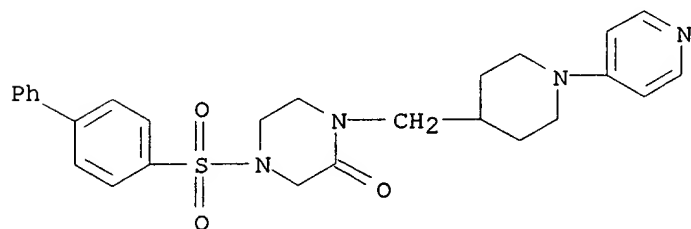
RN 239072-41-4 CAPLUS

CN Piperazinone, 4-([1,1'-biphenyl]-4-ylsulfonyl)-1-[[1-(4-pyridinyl)-4-piperidinyl]methyl]- (9CI) (CA INDEX NAME)



RN 239072-42-5 CAPLUS

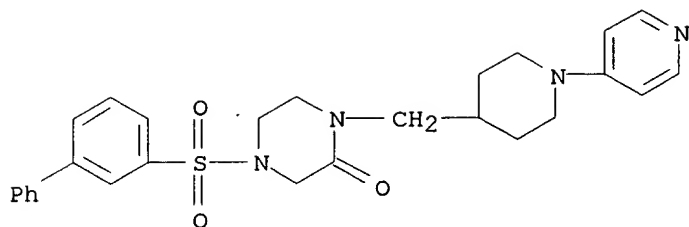
CN Piperazinone, 4-([1,1'-biphenyl]-4-ylsulfonyl)-1-[[1-(4-pyridinyl)-4-piperidinyl]methyl]-, monohydrochloride (9CI) (CA INDEX NAME)



● HCl

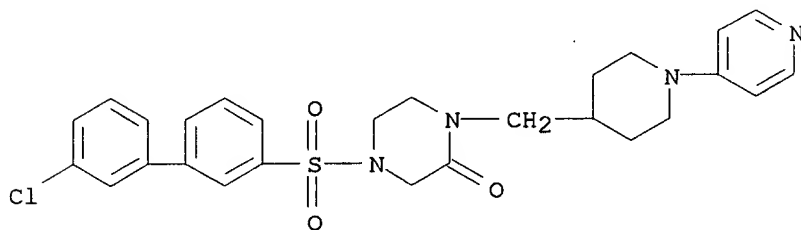
RN 239072-43-6 CAPLUS

CN Piperazinone, 4-([1,1'-biphenyl]-3-ylsulfonyl)-1-[[1-(4-pyridinyl)-4-piperidinyl]methyl]-, monohydrochloride (9CI) (CA INDEX NAME)



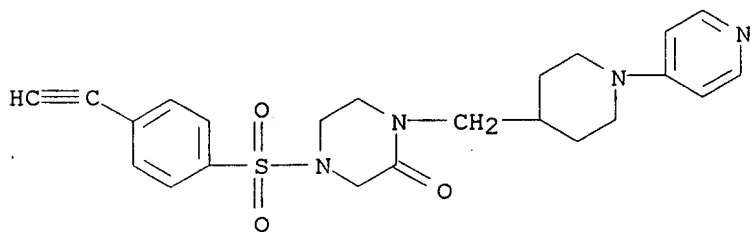
● HCl

RN 239072-44-7 CAPLUS
 CN Piperazinone, 4-[(3'-chloro[1,1'-biphenyl]-3-yl)sulfonyl]-1-[[1-(4-pyridinyl)-4-piperidinyl]methyl]-, monohydrochloride (9CI) (CA INDEX NAME)

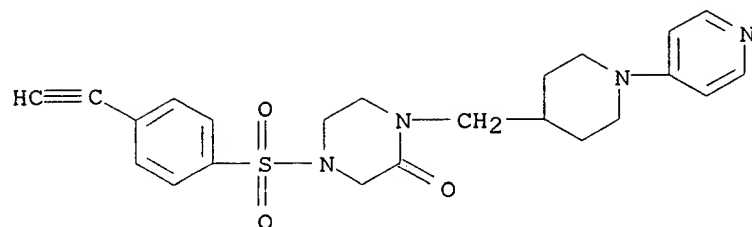


● HCl

RN 239072-45-8 CAPLUS
 CN Piperazinone, 4-[(4-ethynylphenyl)sulfonyl]-1-[[1-(4-pyridinyl)-4-piperidinyl]methyl]- (9CI) (CA INDEX NAME)

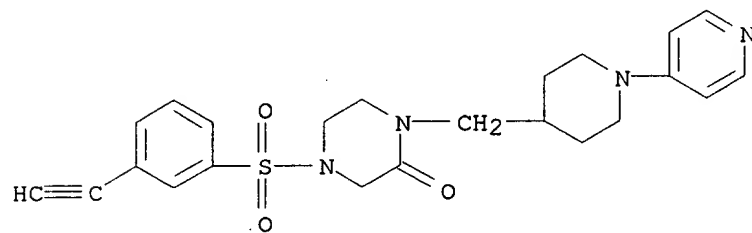


RN 239072-46-9 CAPLUS
 CN Piperazinone, 4-[(4-ethynylphenyl)sulfonyl]-1-[[1-(4-pyridinyl)-4-piperidinyl]methyl]-, monohydrochloride (9CI) (CA INDEX NAME)

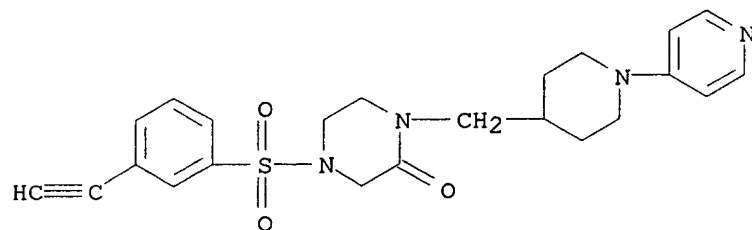


● HCl

RN 239072-47-0 CAPLUS
 CN Piperazinone, 4-[(3-ethynylphenyl)sulfonyl]-1-[[1-(4-pyridinyl)-4-piperidinyl]methyl]- (9CI) (CA INDEX NAME)



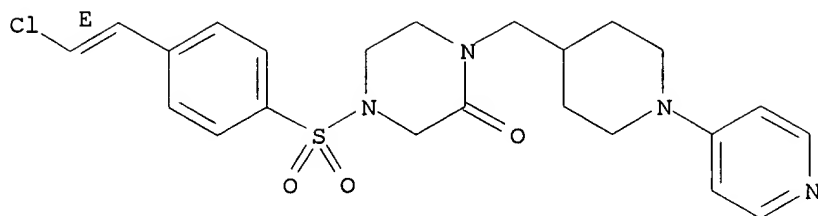
RN 239072-48-1 CAPLUS
 CN Piperazinone, 4-[(3-ethynylphenyl)sulfonyl]-1-[[1-(4-pyridinyl)-4-piperidinyl]methyl]-, monohydrochloride (9CI) (CA INDEX NAME)



● HCl

RN 239072-49-2 CAPLUS
 CN Piperazinone, 4-[[4-[(1E)-2-chloroethenyl]phenyl]sulfonyl]-1-[[1-(4-pyridinyl)-4-piperidinyl]methyl]- (9CI) (CA INDEX NAME)

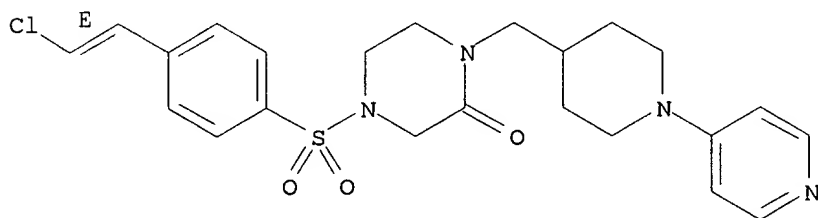
Double bond geometry as shown.



RN 239072-50-5 CAPLUS

CN Piperazinone, 4-[[4-[(1E)-2-chloroethenyl]phenyl]sulfonyl]-1-[[1-(4-pyridinyl)-4-piperidinyl]methyl]-, monohydrochloride (9CI) (CA INDEX NAME)

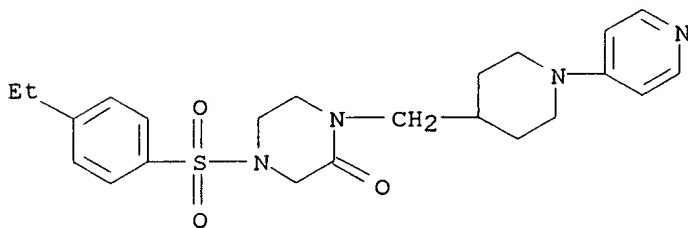
Double bond geometry as shown.



● HCl

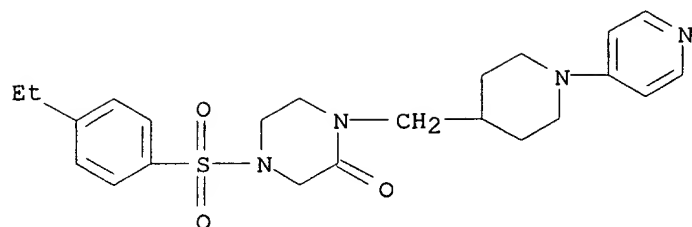
RN 239072-51-6 CAPLUS

CN Piperazinone, 4-[(4-ethylphenyl)sulfonyl]-1-[[1-(4-pyridinyl)-4-piperidinyl]methyl]- (9CI) (CA INDEX NAME)



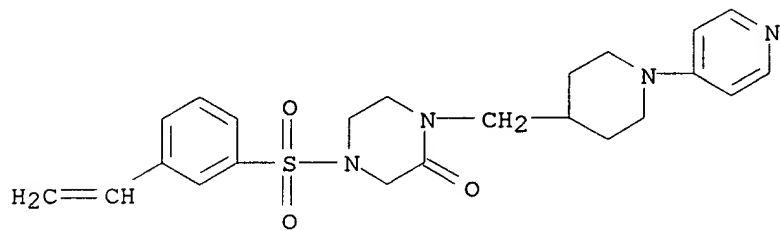
RN 239072-52-7 CAPLUS

CN Piperazinone, 4-[(4-ethylphenyl)sulfonyl]-1-[[1-(4-pyridinyl)-4-piperidinyl]methyl]-, monohydrochloride (9CI) (CA INDEX NAME)

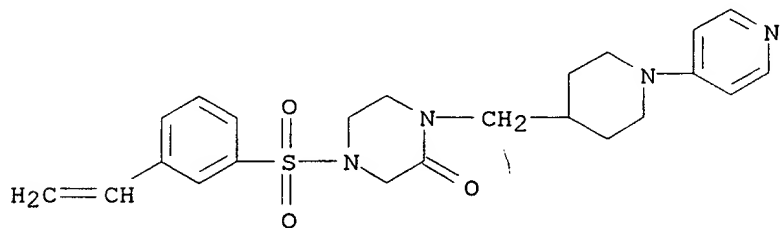


● HCl

RN 239072-53-8 CAPLUS
 CN Piperazinone, 4-[(3-ethenylphenyl)sulfonyl]-1-[[1-(4-pyridinyl)-4-piperidinyl]methyl]- (9CI) (CA INDEX NAME)

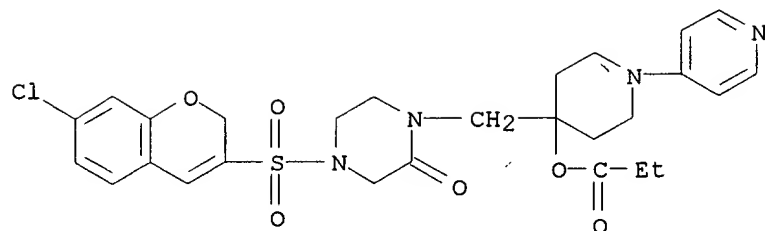


RN 239072-54-9 CAPLUS
 CN Piperazinone, 4-[(3-ethenylphenyl)sulfonyl]-1-[[1-(4-pyridinyl)-4-piperidinyl]methyl]-, monohydrochloride (9CI) (CA INDEX NAME)



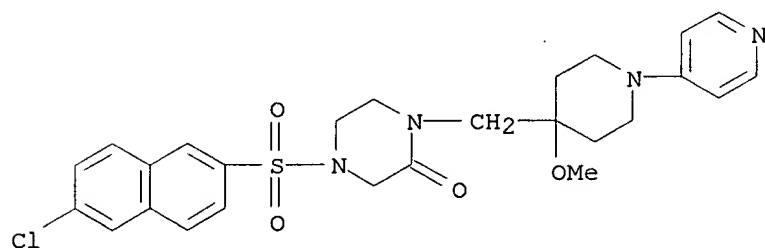
● HCl

RN 239072-57-2 CAPLUS
 CN Piperazinone, 4-[(7-chloro-2H-1-benzopyran-3-yl)sulfonyl]-1-[[4-(1-oxopropoxy)-1-(4-pyridinyl)-4-piperidinyl]methyl]- (9CI) (CA INDEX NAME)



RN 239072-58-3 CAPLUS

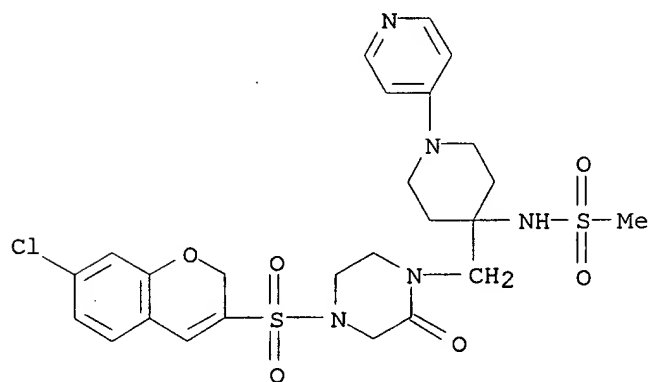
CN Piperazinone, 4-[(6-chloro-2-naphthalenyl)sulfonyl]-1-[[4-methoxy-1-(4-pyridinyl)-4-piperidinyl]methyl]- (9CI) (CA INDEX NAME)



RN 239072-60-7 CAPLUS

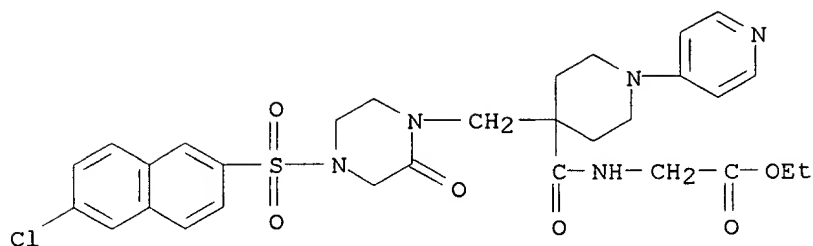
CN Methanesulfonamide, N-[4-[[4-[(7-chloro-2H-1-benzopyran-3-yl)sulfonyl]-2-oxo-1-piperazinyl]methyl]-1-(4-pyridinyl)-4-piperidinyl]- (9CI) (CA

INDEX
NAME)



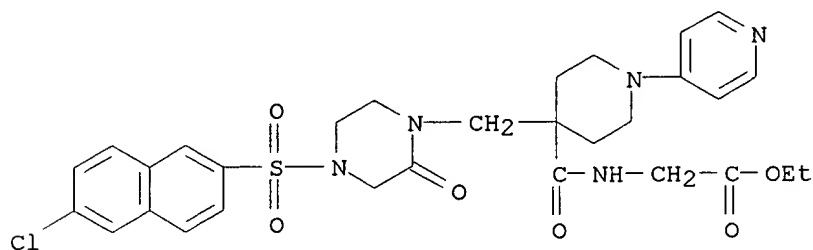
RN 239072-62-9 CAPLUS

CN Glycine, N-[[4-[[4-[(6-chloro-2-naphthalenyl)sulfonyl]-2-oxo-1-piperazinyl]methyl]-1-(4-pyridinyl)-4-piperidinyl]carbonyl]-, ethyl ester (9CI) (CA INDEX NAME)



RN 239072-63-0 CAPLUS

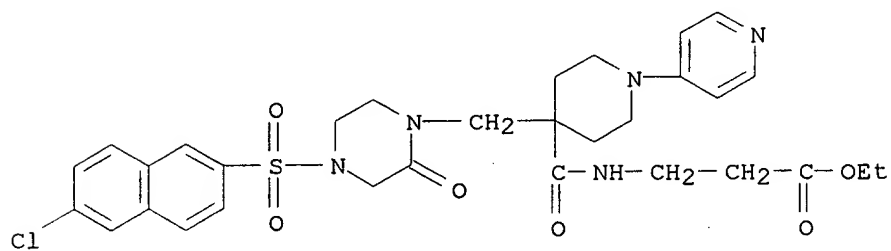
CN Glycine, N-[[4-[[4-[(6-chloro-2-naphthalenyl)sulfonyl]-2-oxo-1-piperazinyl]methyl]-1-(4-pyridinyl)-4-piperidinyl]carbonyl]-, ethyl ester, monohydrochloride (9CI) (CA INDEX NAME)



● HCl

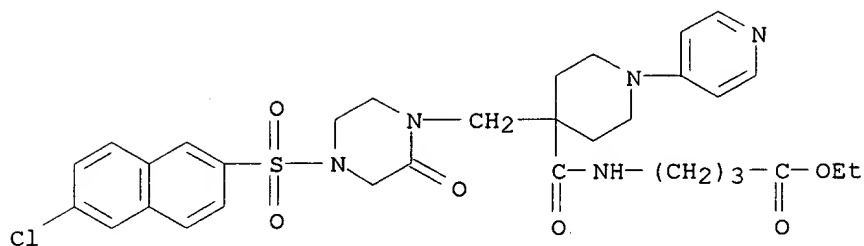
RN 239072-64-1 CAPLUS

CN .beta.-Alanine, N-[[4-[[4-[(6-chloro-2-naphthalenyl)sulfonyl]-2-oxo-1-piperazinyl]methyl]-1-(4-pyridinyl)-4-piperidinyl]carbonyl]-, ethyl ester (9CI) (CA INDEX NAME)



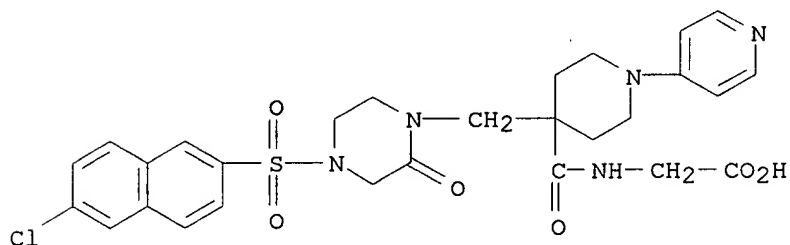
RN 239072-65-2 CAPLUS

CN Butanoic acid, 4-[[[4-[[4-[(6-chloro-2-naphthalenyl)sulfonyl]-2-oxo-1-piperazinyl]methyl]-1-(4-pyridinyl)-4-piperidinyl]carbonyl]amino]-, ethyl ester (9CI) (CA INDEX NAME)



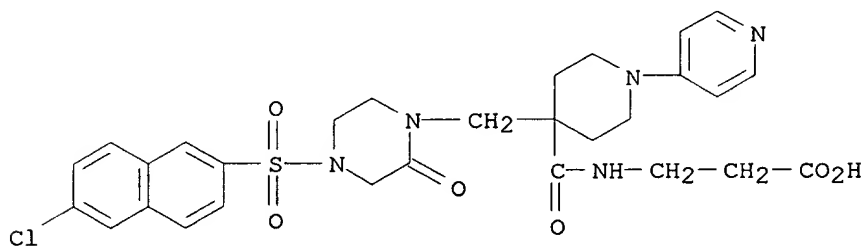
RN 239072-66-3 CAPLUS

CN Glycine, N-[[[4-[[[4-[(6-chloro-2-naphthalenyl)sulfonyl]-2-oxo-1-piperazinyl]methyl]-1-(4-pyridinyl)-4-piperidinyl]carbonyl]-1-(4-pyridinyl)-4-piperidinyl]amino]acetic acid (9CI) (CA INDEX NAME)



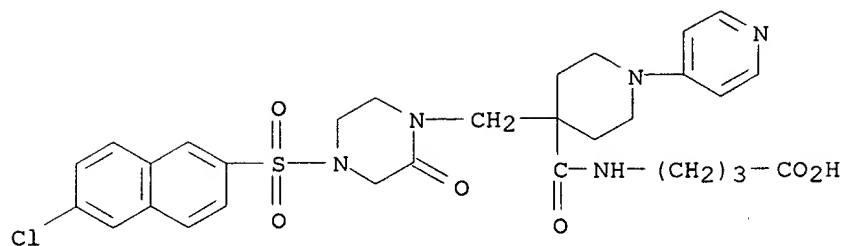
RN 239072-67-4 CAPLUS

CN .beta.-Alanine, N-[[[4-[[[4-[(6-chloro-2-naphthalenyl)sulfonyl]-2-oxo-1-piperazinyl]methyl]-1-(4-pyridinyl)-4-piperidinyl]carbonyl]-1-(4-pyridinyl)-4-piperidinyl]amino]propanoic acid (9CI) (CA INDEX NAME)



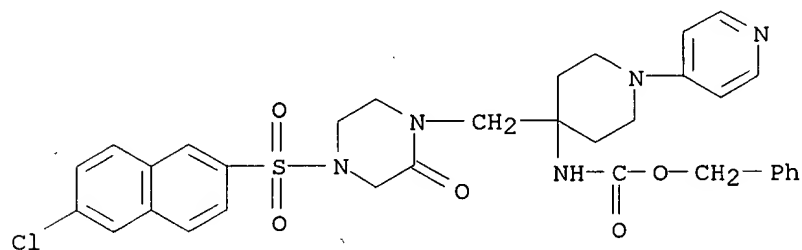
RN 239072-68-5 CAPLUS

CN Butanoic acid, 4-[[[4-[[[4-[(6-chloro-2-naphthalenyl)sulfonyl]-2-oxo-1-piperazinyl]methyl]-1-(4-pyridinyl)-4-piperidinyl]carbonyl]amino]butanoic acid (9CI) (CA INDEX NAME)



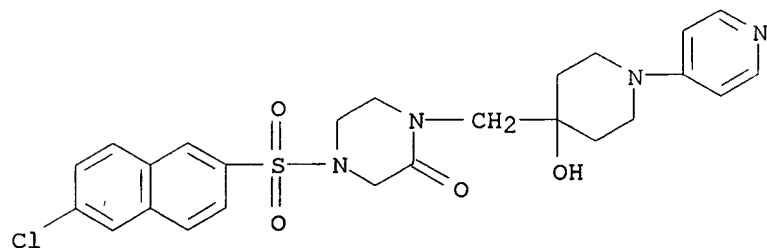
RN 239072-69-6 CAPLUS

CN Carbamic acid, [4-[[4-[(6-chloro-2-naphthalenyl)sulfonyl]-2-oxo-1-piperazinyl]methyl]-1-(4-pyridinyl)-4-piperidinyl]-, phenylmethyl ester (9CI) (CA INDEX NAME)



RN 239074-62-5 CAPLUS

CN Piperazinone, 4-[[4-[(6-chloro-2-naphthalenyl)sulfonyl]-1-[[4-hydroxy-1-(4-pyridinyl)-4-piperidinyl]methyl]- (9CI) (CA INDEX NAME)



IT 229646-35-9P 239073-05-3P 239073-27-9P

239073-28-0P 239073-46-2P 239073-50-8P

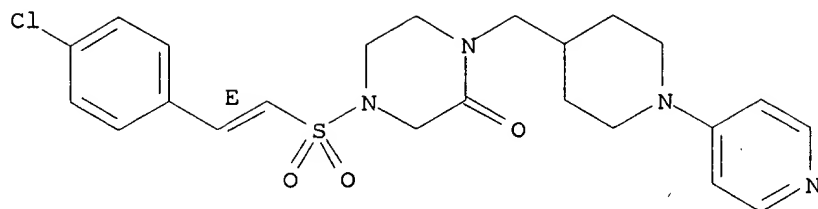
239073-69-9P 239074-19-2P

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation)
(prepn. of sulfonamides as inhibitors of activated blood coagulation factor X)

RN 229646-35-9 CAPLUS

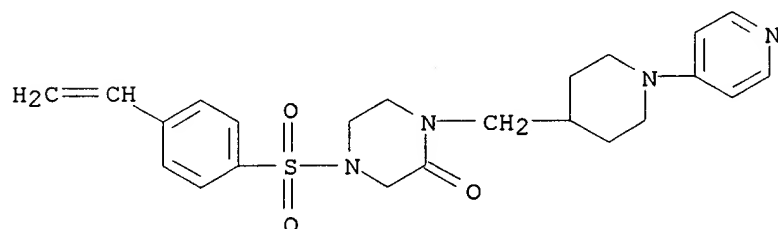
CN Piperazinone, 4-[[[(1E)-2-(4-chlorophenyl)ethenyl]sulfonyl]-1-[[1-(4-pyridinyl)-4-piperidinyl]methyl]- (9CI) (CA INDEX NAME)

Double bond geometry as shown.



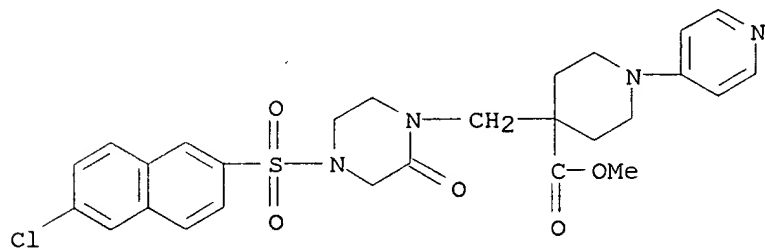
RN 239073-05-3 CAPLUS

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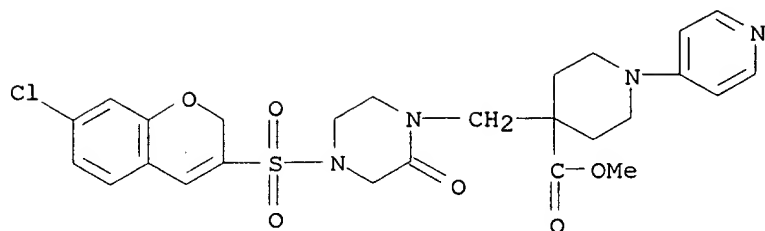
RN 239073-27-9 CAPLUS

CN 4-Piperidinecarboxylic acid, 4-[[4-[(6-chloro-2-naphthalenyl)sulfonyl]-2-oxo-1-piperazinyl]methyl]-1-(4-pyridinyl)-, methyl ester (9CI) (CA INDEX NAME)



RN 239073-28-0 CAPLUS

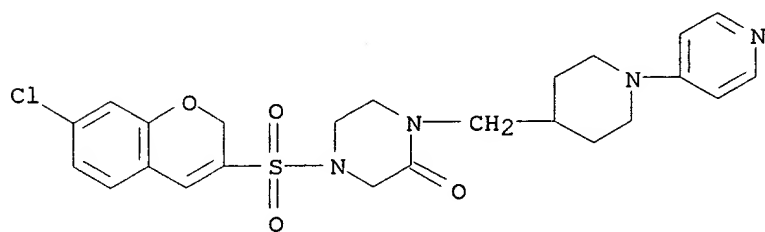
CN 4-Piperidinecarboxylic acid, 4-[[4-[(7-chloro-2H-1-benzopyran-3-yl)sulfonyl]-2-oxo-1-piperazinyl]methyl]-1-(4-pyridinyl)-, methyl ester, monohydrochloride (9CI) (CA INDEX NAME)



● HCl

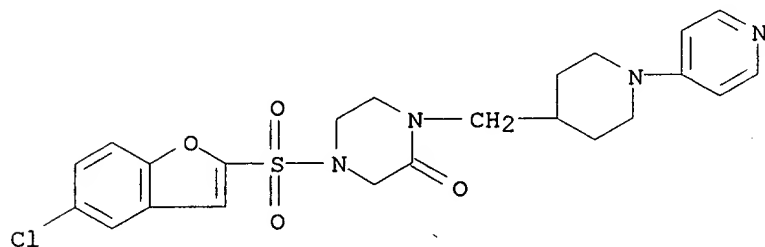
RN 239073-46-2 CAPLUS

CN Piperazinone, 4-[(7-chloro-2H-1-benzopyran-3-yl)sulfonyl]-1-[[1-(4-pyridinyl)-4-piperidinyl]methyl]- (9CI) (CA INDEX NAME)



RN 239073-50-8 CAPLUS

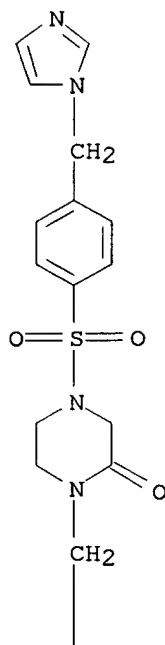
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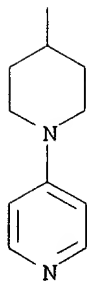
RN 239073-69-9 CAPLUS

CN Piperazinone, 4-[[4-(1H-imidazol-1-ylmethyl)phenyl]sulfonyl]-1-[[1-(4-pyridinyl)-4-piperidinyl]methyl]- (9CI) (CA INDEX NAME)

PAGE 1-A



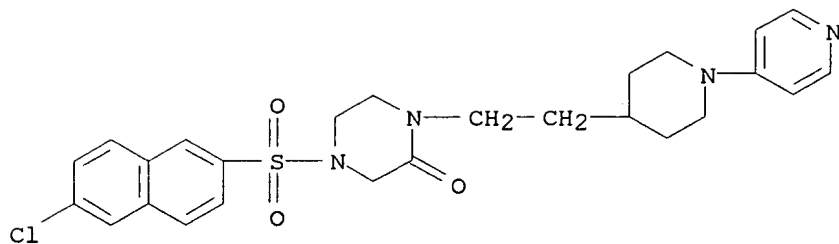
PAGE 2-A



RN 239074-19-2 CAPLUS

CN Piperazinone,

4-[(6-chloro-2-naphthalenyl)sulfonyl]-1-[2-[1-(4-pyridinyl)-
4-piperidinyl]ethyl]- (9CI) (CA INDEX NAME)



REFERENCE COUNT: 15
 REFERENCE(S): (1) Takeda Chemical Industries Ltd; JP 09316059 A
 CAPLUS
 (2) Takeda Chemical Industries Ltd; CN 1069730 A
 CAPLUS
 (3) Takeda Chemical Industries Ltd; US 5294713 A
 CAPLUS
 (4) Takeda Chemical Industries Ltd; EP 529858 A1
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 (5) Takeda Chemical Industries Ltd; EP 822931 A1
 CAPLUS
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

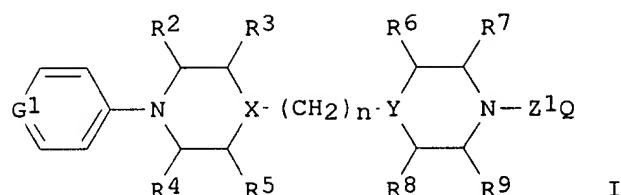
L4 ANSWER 2 OF 8 CAPLUS COPYRIGHT 2001 ACS
 ACCESSION NUMBER: 1999:460402 CAPLUS
 DOCUMENT NUMBER: 131:87833
 TITLE: Preparation of aromatic compounds having cyclic amino
 or salts thereof as FXa inhibitors
 INVENTOR(S): Nishida, Hidemitsu; Hosaka, Yoshitaka; Miyazaki,
 Yutaka; Matsusue, Tomokazu; Mukaihira, Takafumi
 PATENT ASSIGNEE(S): Mochida Pharmaceutical Co., Ltd., Japan
 SOURCE: PCT Int. Appl., 218 pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: Japanese
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9933805	A1	19990708	WO 1998-JP6002	19981228
W: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RW: GH, GM, KE, LS, MW, SD, SZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
AU 9916923	A1	19990719	AU 1999-16923	19981228
EP 1048652	A1	20001102	EP 1998-961642	19981228
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PRIORITY APPLN. INFO.:			JP 1997-367538	19971226

Applicant's

JP 1998-311491 19981030
 WO 1998-JP6002 19981228

OTHER SOURCE(S): MARPAT 131:87833
 GI



AB Title Compds. [I; G1, X and Y represent each CH or N; Z1 represents
 -SO₂CH:CH- or -SO₂-; Q represents aryl or heteroaryl; and R₂ to R₉
 represent each hydrogen or a substituent; n = 0-1] and salts thereof
 which specifically inhibit FXa, exert a potent anticoagulant effect and thus
 are useful as medicinal compns. are prepd. Title compd. I (G1 = N; X = N; Y
 = CH; n = 0; R₂ = H; R₃ = H; R₄ = H; R₅ = H; R₆ = H; R₇ = H; R₈ = H; R₉ =
 H; Z1 = (E)-SO₂CH:CH; Q = 4-ClC₆H₄) was prepd. in two steps.

IT 229646-14-4P 229646-15-5P 229646-16-6P
 229646-17-7P 229646-18-8P 229646-19-9P
 229646-20-2P 229646-21-3P 229646-22-4P
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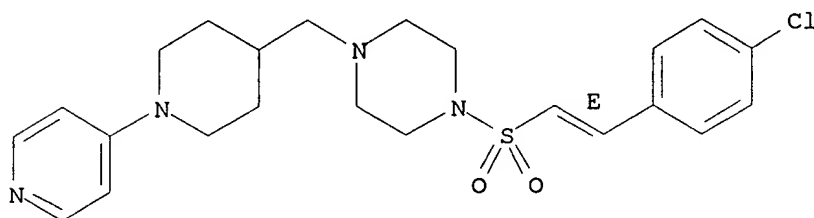
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 229647-05-6P 229955-03-7P

RL: BAC (Biological activity or effector, except adverse); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation)
 (prepn. of arom. compds. having cyclic amino or salts thereof as FXa inhibitors)

RN 229646-14-4 CAPLUS

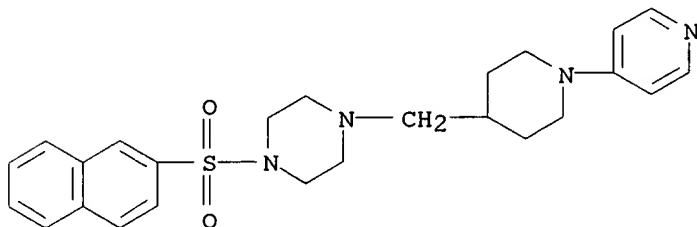
CN Piperazine, 1-[[[(1E)-2-(4-chlorophenyl)ethenyl]sulfonyl]-4-[[1-(4-pyridinyl)-4-piperidinyl]methyl]- (9CI) (CA INDEX NAME)

Double bond geometry as shown.



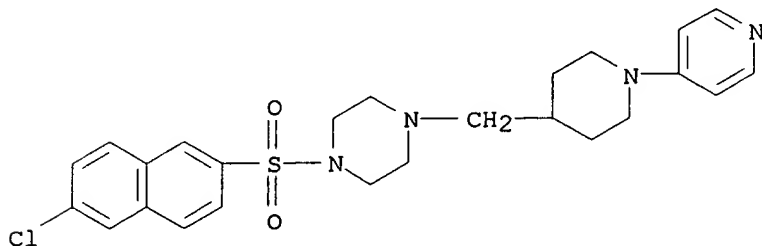
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CN Piperazine, 1-(2-naphthalenylsulfonyl)-4-[[1-(4-pyridinyl)-4-piperidinyl]methyl]- (9CI) (CA INDEX NAME)



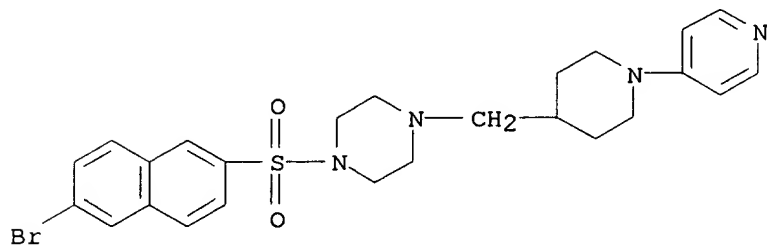
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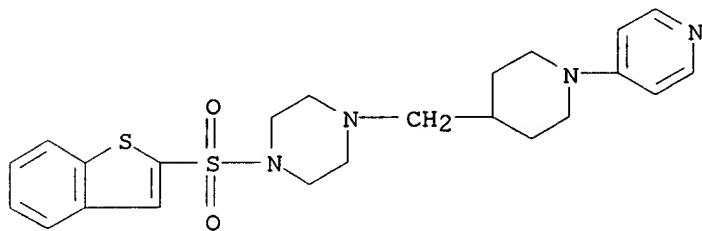
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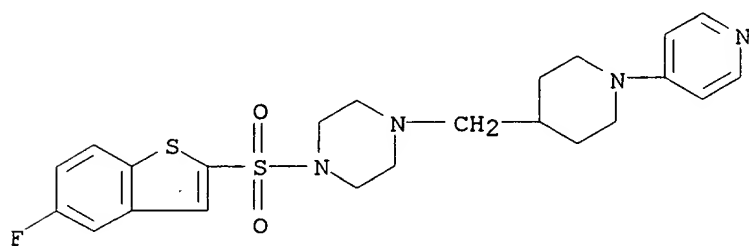
RN 229646-18-8 CAPLUS

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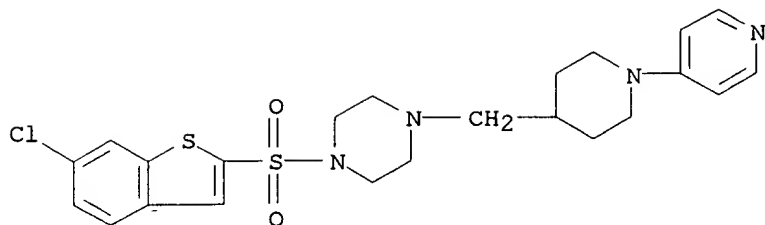
RN 229646-19-9 CAPLUS

CN Piperazine, 1-[(5-fluorobenzo[b]thien-2-yl)sulfonyl]-4-[[1-(4-pyridinyl)-4-piperidinyl]methyl]- (9CI) (CA INDEX NAME)



RN 229646-20-2 CAPLUS

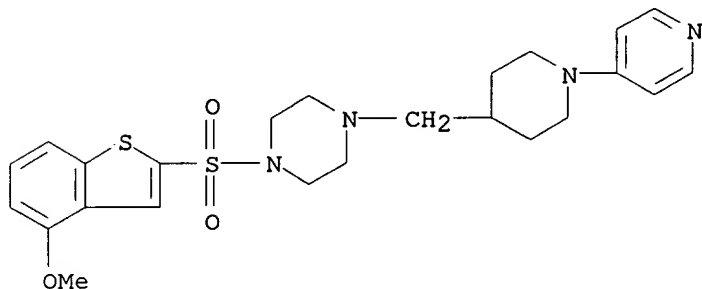
CN Piperazine, 1-[(6-chlorobenzo[b]thien-2-yl)sulfonyl]-4-[[1-(4-pyridinyl)-4-piperidinyl]methyl]- (9CI) (CA INDEX NAME)



RN 229646-21-3 CAPLUS

CN Piperazine,

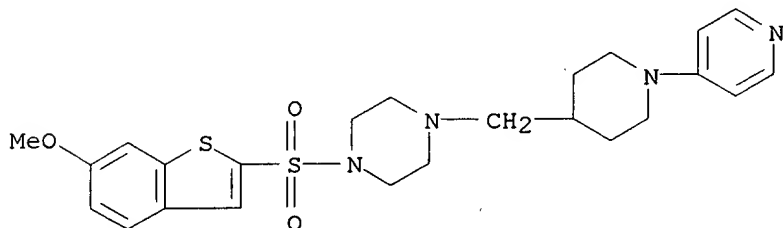
1-[(4-methoxybenzo[b]thien-2-yl)sulfonyl]-4-[[1-(4-pyridinyl)-4-piperidinyl]methyl]- (9CI) (CA INDEX NAME)



RN 229646-22-4 CAPLUS

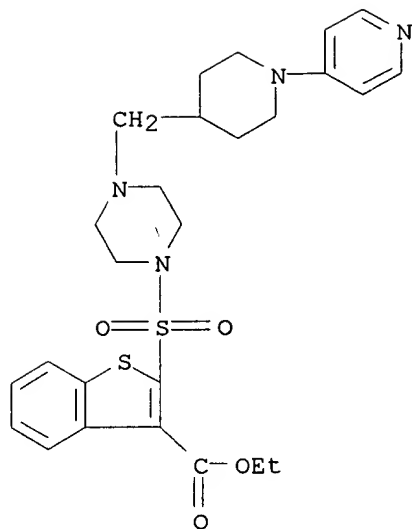
CN Piperazine,

1-[(6-methoxybenzo[b]thien-2-yl)sulfonyl]-4-[[1-(4-pyridinyl)-4-piperidinyl]methyl]- (9CI) (CA INDEX NAME)



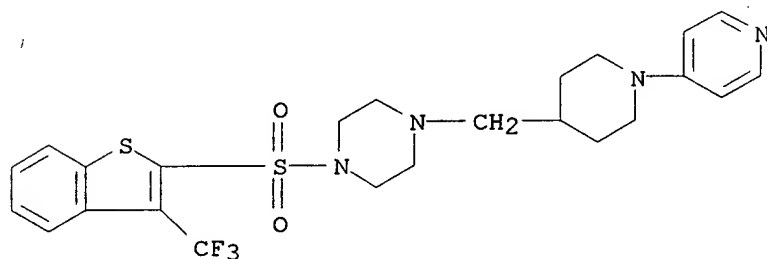
RN 229646-23-5 CAPLUS

CN Benzo[b]thiophene-3-carboxylic acid, 2-[[4-[[1-(4-pyridinyl)-4-piperidinyl]methyl]-1-piperazinyl]sulfonyl]-, ethyl ester (9CI) (CA INDEX NAME)



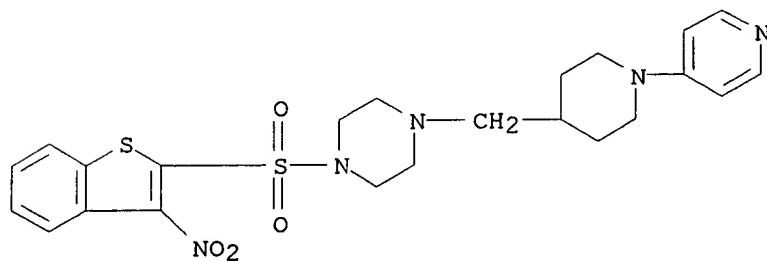
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CN Piperazine, 1-[[1-(4-pyridinyl)-4-piperidinyl]methyl]-4-[[3-(trifluoromethyl)benzo[b]thien-2-yl]sulfonyl]- (9CI) (CA INDEX NAME)



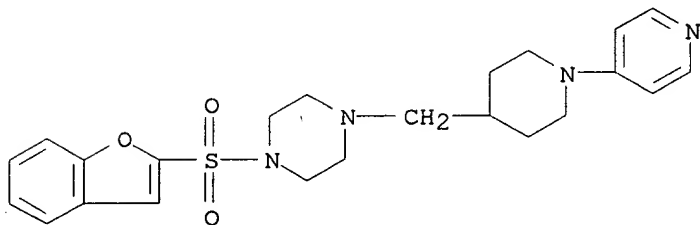
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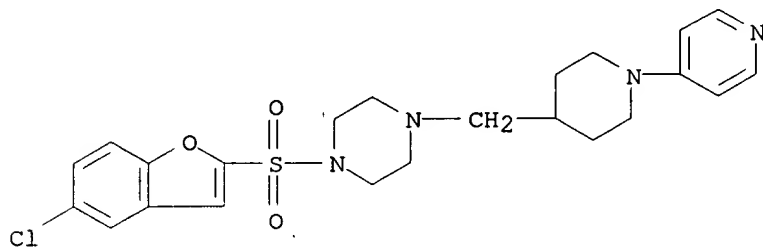
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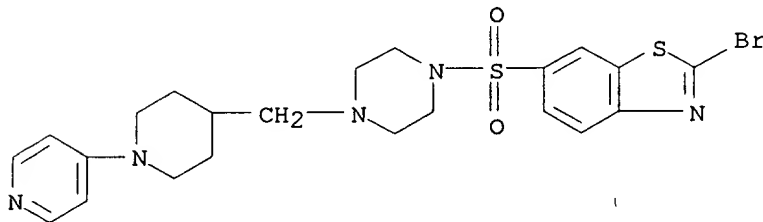
RN 229646-27-9 CAPLUS

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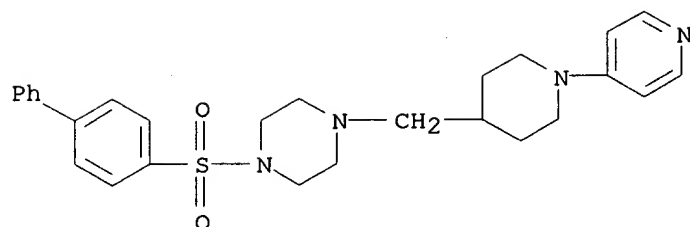
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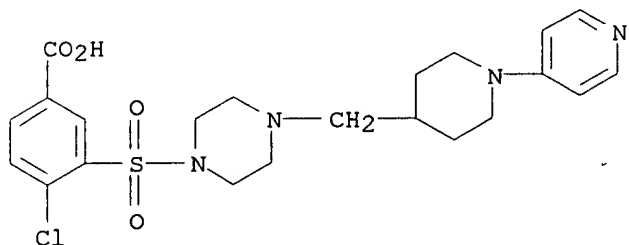
RN 229646-29-1 CAPLUS

CN Piperazine, 1-([1,1'-biphenyl]-4-ylsulfonyl)-4-[[1-(4-pyridinyl)-4-piperidinyl]methyl]- (9CI) (CA INDEX NAME)



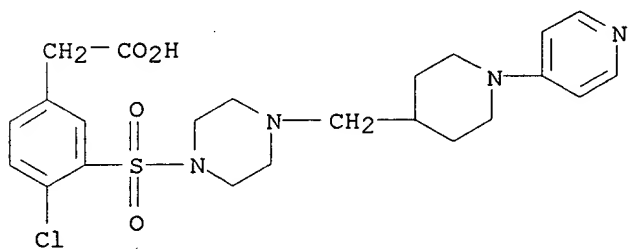
RN 229646-30-4 CAPLUS

CN Benzoic acid, 4-chloro-3-[[4-[[1-(4-pyridinyl)-4-piperidinyl]methyl]-1-piperazinyl]sulfonyl]- (9CI) (CA INDEX NAME)



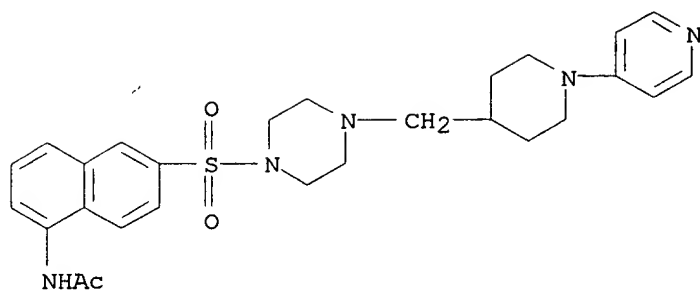
RN 229646-32-6 CAPLUS

CN Benzeneacetic acid,
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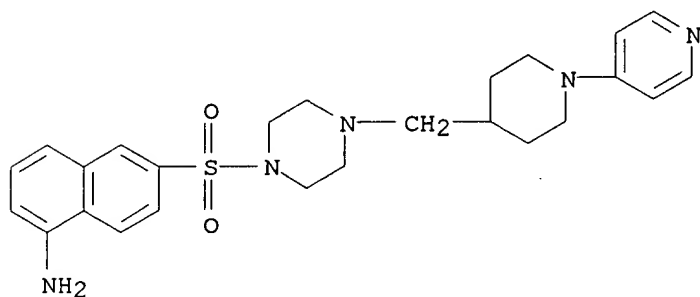
RN 229646-33-7 CAPLUS

CN Acetamide, N-[6-[[4-[[1-(4-pyridinyl)-4-piperidinyl]methyl]-1-piperazinyl]sulfonyl]-1-naphthalenyl]- (9CI) (CA INDEX NAME)



RN 229646-34-8 CAPLUS

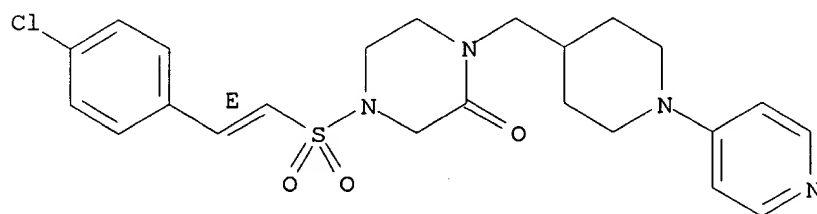
CN Piperazine, 1-[(5-amino-2-naphthalenyl)sulfonyl]-4-[[1-(4-pyridinyl)-4-piperidinyl]methyl]- (9CI) (CA INDEX NAME)



RN 229646-35-9 CAPLUS

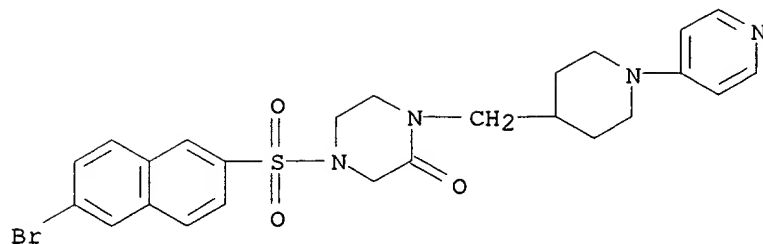
CN Piperazinone, 4-[[1-[(1E)-2-(4-chlorophenyl)ethenyl]sulfonyl]-1-[[1-(4-pyridinyl)-4-piperidinyl]methyl]- (9CI) (CA INDEX NAME)

Double bond geometry as shown.



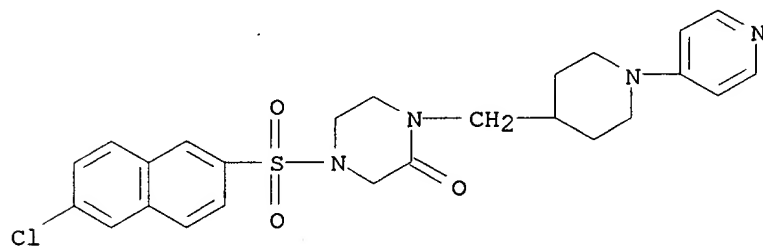
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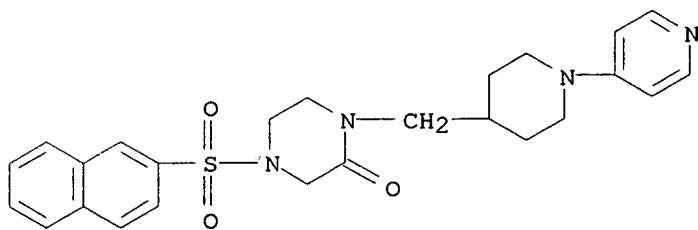
RN 229646-37-1 CAPLUS

CN Piperazinone,
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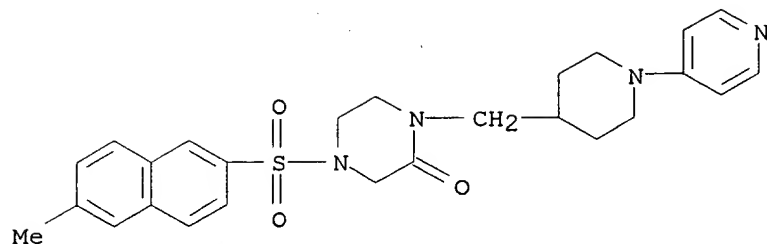
RN 229646-38-2 CAPLUS

CN Piperazinone, 4-(2-naphthalenylsulfonyl)-1-[[1-(4-pyridinyl)-4-
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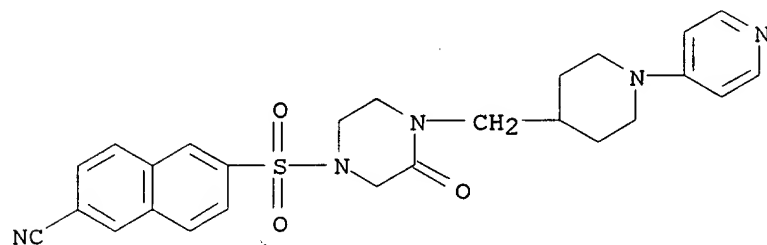
RN 229646-39-3 CAPLUS

CN Piperazinone,
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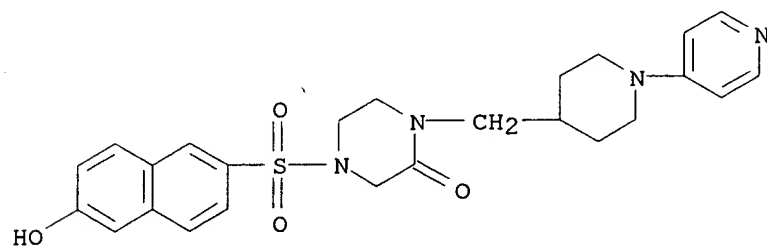
RN 229646-40-6 CAPLUS

CN Piperazinone, 4-[(6-cyano-2-naphthalenyl)sulfonyl]-1-[[1-(4-pyridinyl)-4-piperidinyl]methyl]- (9CI) (CA INDEX NAME)



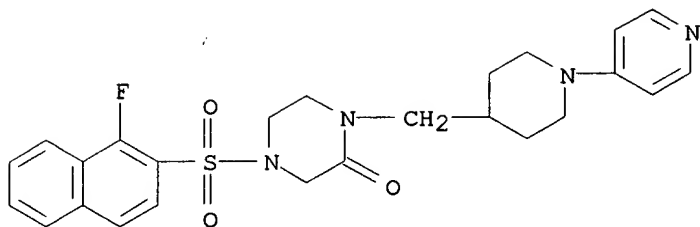
RN 229646-41-7 CAPLUS

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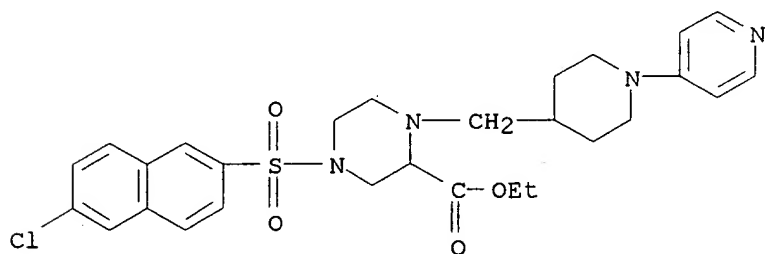
RN 229646-42-8 CAPLUS

CN Piperazinone, 4-[(1-fluoro-2-naphthalenyl)sulfonyl]-1-[[1-(4-pyridinyl)-4-piperidinyl]methyl]- (9CI) (CA INDEX NAME)



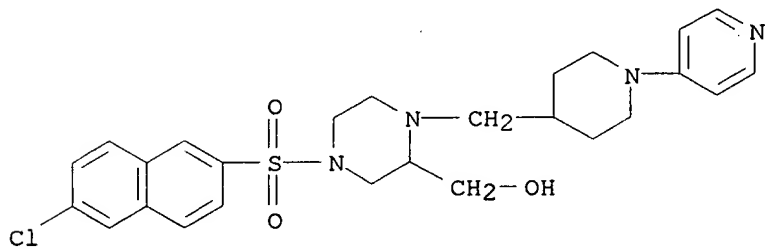
RN 229646-43-9 CAPLUS

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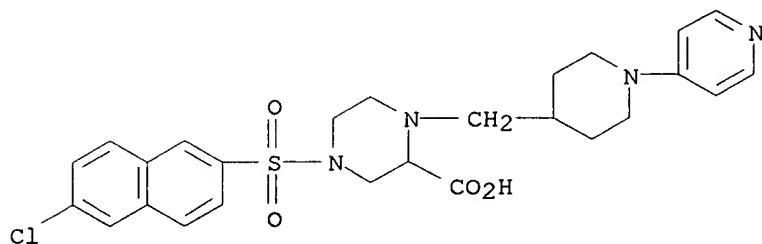
RN 229646-44-0 CAPLUS

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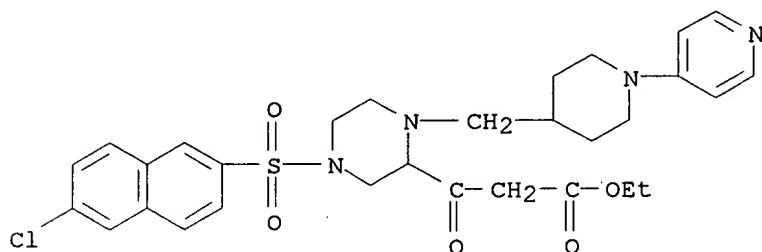


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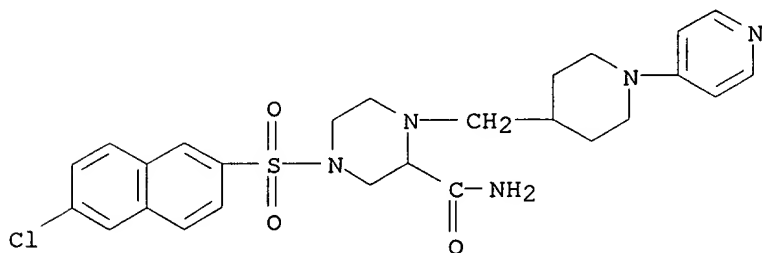
CN 2-Piperazinecarboxylic acid, 4-[(6-chloro-2-naphthalenyl)sulfonyl]-1-[[1-(4-pyridinyl)-4-piperidinyl]methyl]- (9CI) (CA INDEX NAME)



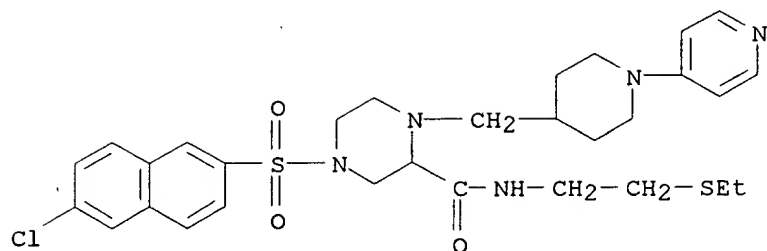
RN 229646-46-2 CAPLUS
 CN 2-Piperazinepropanoic acid, 4-[(6-chloro-2-naphthalenyl)sulfonyl]-.beta.-oxo-1-[[1-(4-pyridinyl)-4-piperidinyl]methyl]-, ethyl ester (9CI) (CA INDEX NAME)



RN 229646-47-3 CAPLUS
 CN 2-Piperazinecarboxamide, 4-[(6-chloro-2-naphthalenyl)sulfonyl]-1-[[1-(4-pyridinyl)-4-piperidinyl]methyl]- (9CI) (CA INDEX NAME)

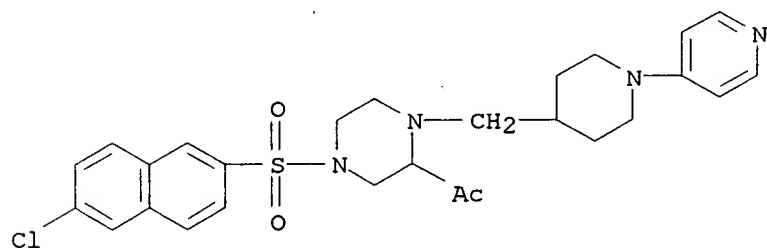


RN 229646-48-4 CAPLUS
 CN 2-Piperazinecarboxamide, 4-[(6-chloro-2-naphthalenyl)sulfonyl]-N-[2-(ethylthio)ethyl]-1-[[1-(4-pyridinyl)-4-piperidinyl]methyl]- (9CI) (CA INDEX NAME)



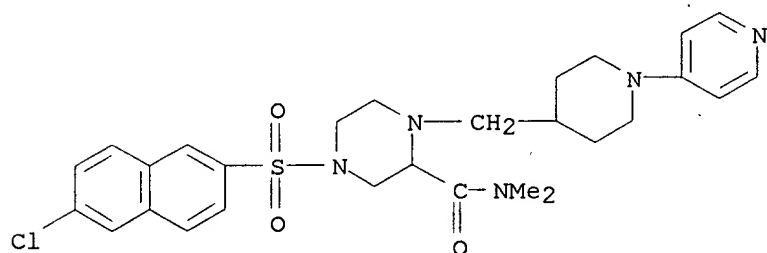
RN 229646-49-5 CAPLUS

CN Piperazine, 2-acetyl-4-[(6-chloro-2-naphthalenyl)sulfonyl]-1-[[1-(4-pyridinyl)-4-piperidinyl]methyl]- (9CI) (CA INDEX NAME)



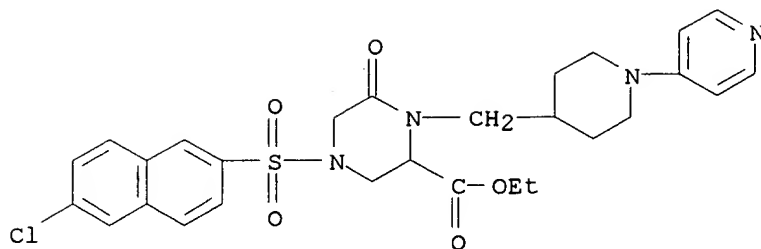
RN 229646-50-8 CAPLUS

CN 2-Piperazinecarboxamide, 4-[(6-chloro-2-naphthalenyl)sulfonyl]-N,N-dimethyl-1-[[1-(4-pyridinyl)-4-piperidinyl]methyl]- (9CI) (CA INDEX NAME)



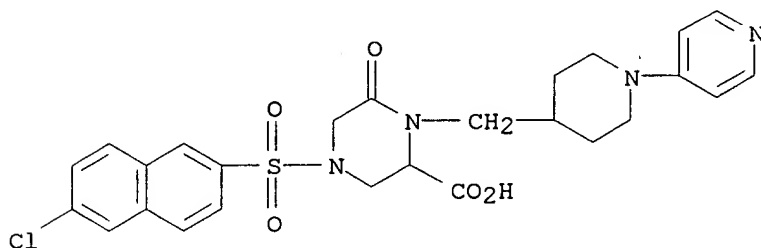
RN 229646-51-9 CAPLUS

CN 2-Piperazinecarboxylic acid, 4-[(6-chloro-2-naphthalenyl)sulfonyl]-6-oxo-1-[[1-(4-pyridinyl)-4-piperidinyl]methyl]-, ethyl ester (9CI) (CA INDEX NAME)



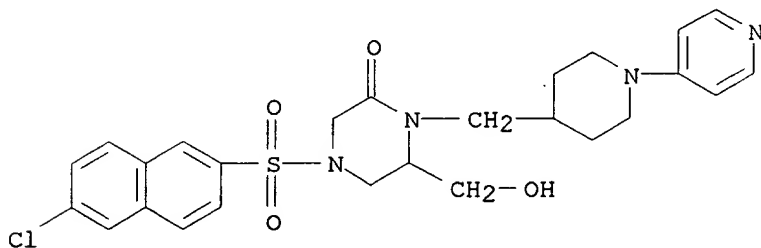
RN 229646-52-0 CAPLUS

CN 2-Piperazinecarboxylic acid,
4-[(6-chloro-2-naphthalenyl)sulfonyl]-6-oxo-1-
[[1-(4-pyridinyl)-4-piperidinyl]methyl]- (9CI) (CA INDEX NAME)



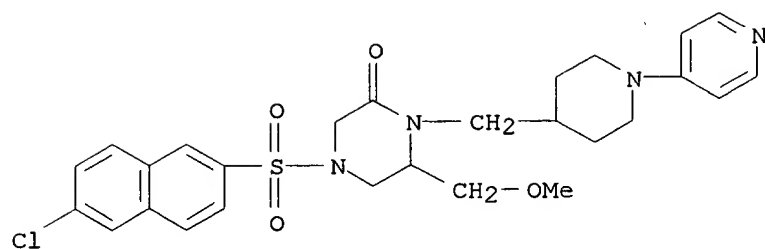
RN 229646-53-1 CAPLUS

CN Piperazinone, 4-[(6-chloro-2-naphthalenyl)sulfonyl]-6-(hydroxymethyl)-1-
[[1-(4-pyridinyl)-4-piperidinyl]methyl]- (9CI) (CA INDEX NAME)



RN 229646-54-2 CAPLUS

CN Piperazinone, 4-[(6-chloro-2-naphthalenyl)sulfonyl]-6-(methoxymethyl)-1-
[[1-(4-pyridinyl)-4-piperidinyl]methyl]- (9CI) (CA INDEX NAME)

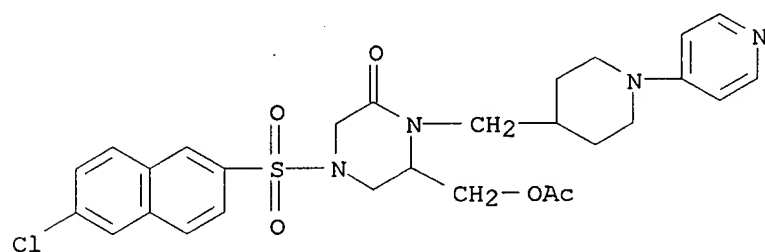


RN 229646-55-3 CAPLUS

CN Piperazinone,

6-[(acetyloxy)methyl]-4-[(6-chloro-2-naphthalenyl)sulfonyl]-

1-[[1-(4-pyridinyl)-4-piperidinyl]methyl]- (9CI) (CA INDEX NAME)



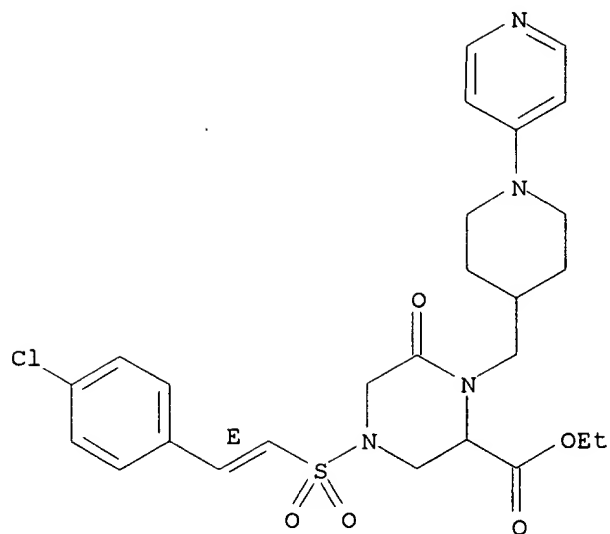
RN 229646-56-4 CAPLUS

CN 2-Piperazinecarboxylic acid,

4-[[[(1E)-2-(4-chlorophenyl)ethenyl]sulfonyl]-

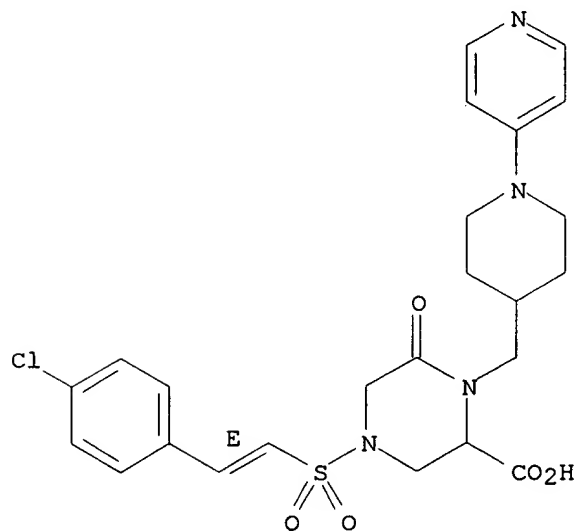
6-oxo-1-[[1-(4-pyridinyl)-4-piperidinyl]methyl]-, ethyl ester (9CI) (CA INDEX NAME)

Double bond geometry as shown.

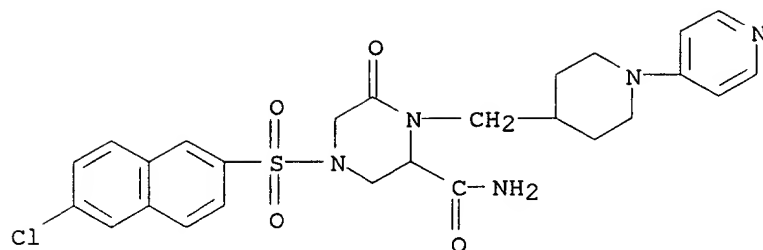


RN 229646-57-5 CAPLUS
 CN 2-Piperazinecarboxylic acid,
 4-[[(1E)-2-(4-chlorophenyl)ethenyl]sulfonyl]-
 6-oxo-1-[[1-(4-pyridinyl)-4-piperidinyl]methyl]- (9CI) (CA INDEX NAME)

Double bond geometry as shown.



RN 229646-58-6 CAPLUS
 CN 2-Piperazinecarboxamide,
 4-[(6-chloro-2-naphthalenyl)sulfonyl]-6-oxo-1-[[1-
 (4-pyridinyl)-4-piperidinyl]methyl]- (9CI) (CA INDEX NAME)

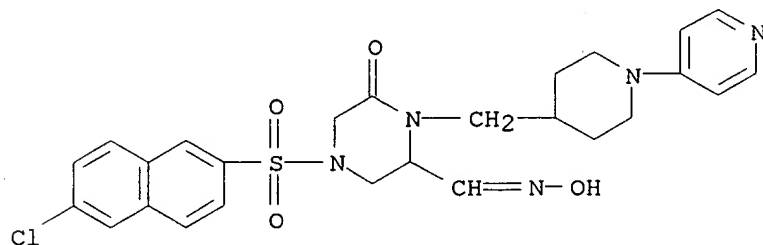


RN 229646-59-7 CAPLUS

CN 2-Piperazinecarboxaldehyde,

4-[(6-chloro-2-naphthalenyl)sulfonyl]-6-oxo-1-

[[1-(4-pyridinyl)-4-piperidinyl]methyl]-, 2-oxime (9CI) (CA INDEX NAME)

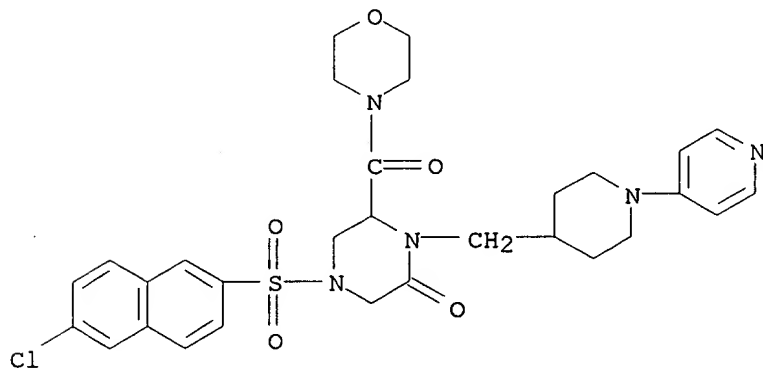


RN 229646-60-0 CAPLUS

CN Morpholine, 4-[[4-[(6-chloro-2-naphthalenyl)sulfonyl]-6-oxo-1-[[1-(4-pyridinyl)-4-piperidinyl]methyl]-2-piperazinyl]carbonyl]- (9CI) (CA

INDEX

NAME)



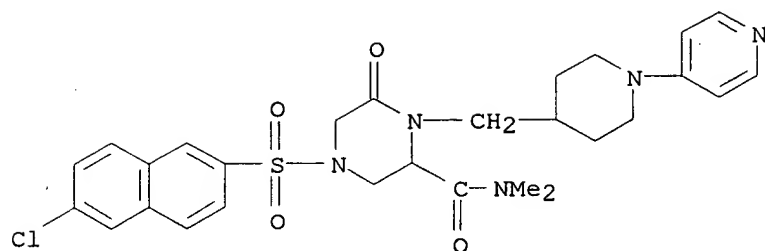
RN 229646-61-1 CAPLUS

CN 2-Piperazinecarboxamide, 4-[(6-chloro-2-naphthalenyl)sulfonyl]-N,N-

dimethyl-6-oxo-1-[[1-(4-pyridinyl)-4-piperidinyl]methyl]- (9CI) (CA

INDEX

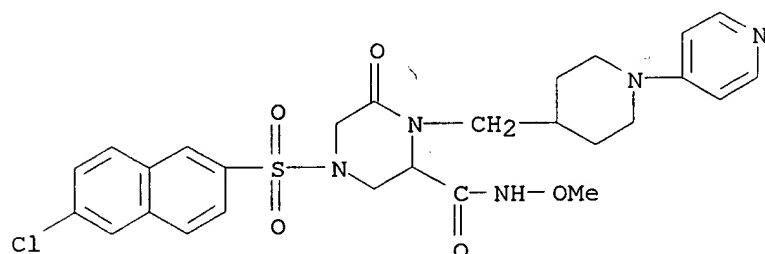
NAME)



RN 229646-62-2 CAPLUS

CN 2-Piperazinecarboxamide,

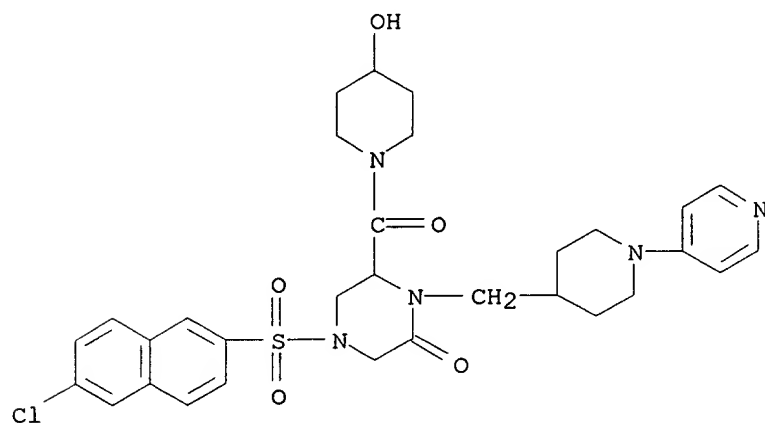
4-[(6-chloro-2-naphthalenyl)sulfonyl]-N-methoxy-6-oxo-1-[[1-(4-pyridinyl)-4-piperidinyl]methyl]- (9CI) (CA INDEX NAME)



RN 229646-63-3 CAPLUS

CN 4-Piperidinol, 1-[[4-[(6-chloro-2-naphthalenyl)sulfonyl]-6-oxo-1-[[1-(4-pyridinyl)-4-piperidinyl]methyl]-2-piperazinyl]carbonyl]- (9CI) (CA

INDEX NAME)

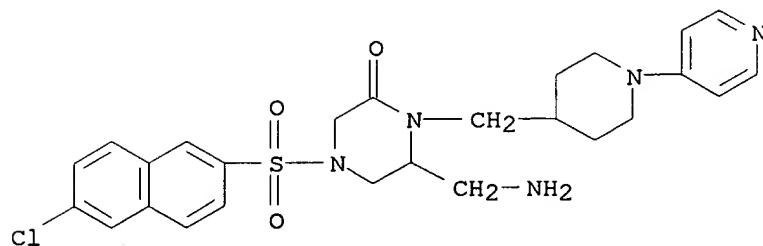


RN 229646-64-4 CAPLUS

CN Piperazinone,

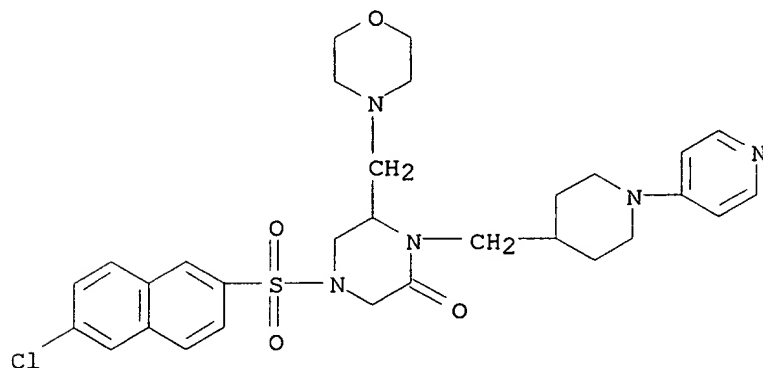
6-(aminomethyl)-4-[(6-chloro-2-naphthalenyl)sulfonyl]-1-[[1-

(4-pyridinyl)-4-piperidinyl)methyl]- (9CI) (CA INDEX NAME)



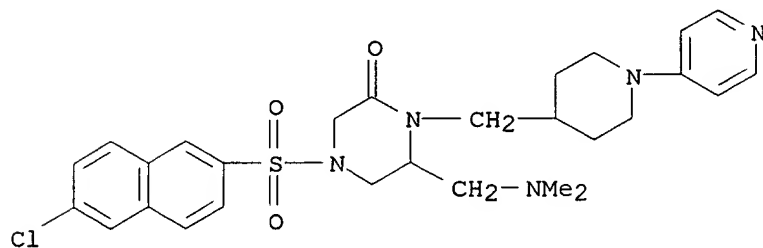
RN 229646-65-5 CAPLUS

CN Piperazinone, 4-[(6-chloro-2-naphthalenyl)sulfonyl]-6-(4-morpholinylmethyl)-1-[[1-(4-pyridinyl)-4-piperidinyl)methyl]- (9CI) (CA INDEX NAME)



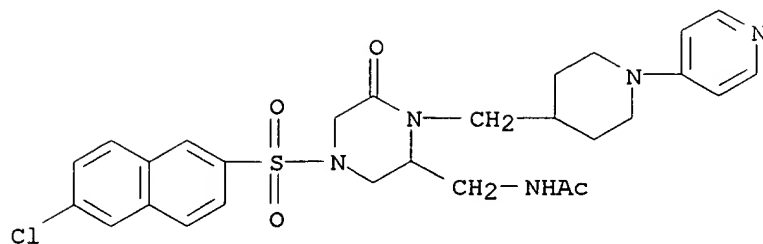
RN 229646-66-6 CAPLUS

CN Piperazinone, 4-[(6-chloro-2-naphthalenyl)sulfonyl]-6-[(dimethylamino)methyl]-1-[[1-(4-pyridinyl)-4-piperidinyl)methyl]- (9CI) (CA INDEX NAME)

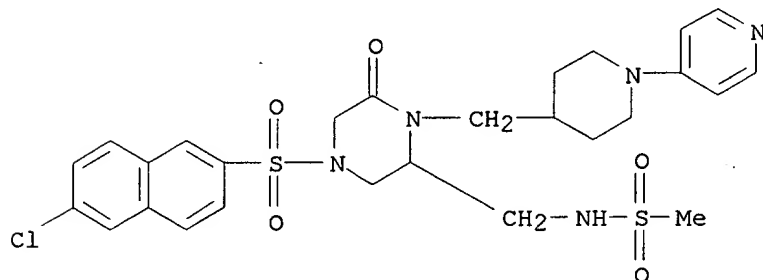


RN 229646-67-7 CAPLUS

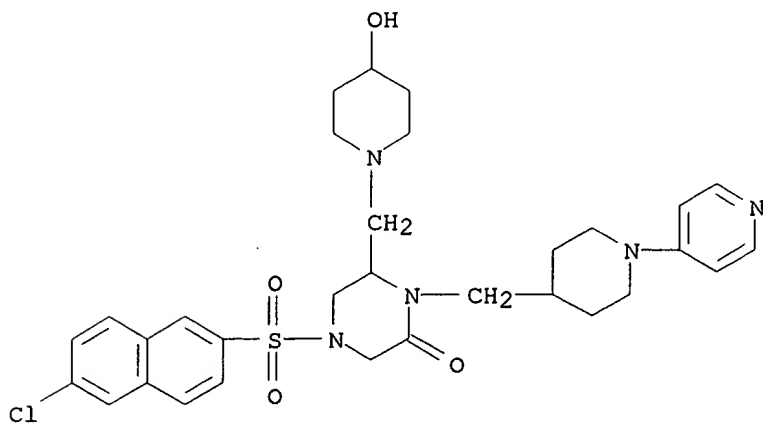
CN Acetamide, N-[[4-[(6-chloro-2-naphthalenyl)sulfonyl]-6-oxo-1-[[1-(4-pyridinyl)-4-piperidinyl)methyl]-2-piperazinyl)methyl]- (9CI) (CA INDEX NAME)



RN 229646-68-8 CAPLUS
 CN Methanesulfonamide,
 N-[[4-[(6-chloro-2-naphthalenyl)sulfonyl]-6-oxo-1-[[1-(4-pyridinyl)-4-piperidinyl]methyl]-2-piperazinyl]methyl]- (9CI) (CA
 INDEX NAME)

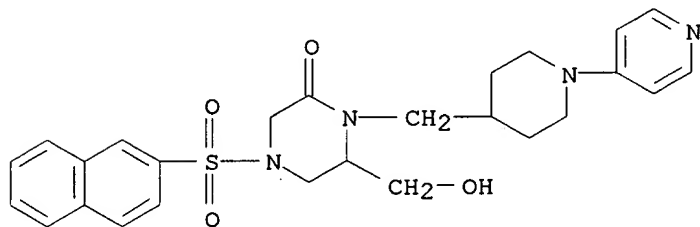


RN 229646-69-9 CAPLUS
 CN Piperazinone, 4-[(6-chloro-2-naphthalenyl)sulfonyl]-6-[(4-hydroxy-1-piperidinyl)methyl]-1-[[1-(4-pyridinyl)-4-piperidinyl]methyl]- (9CI) (CA
 INDEX NAME)



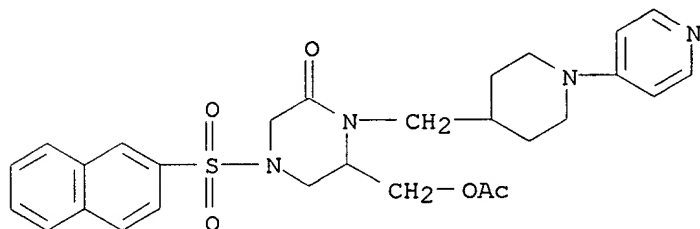
RN 229646-70-2 CAPLUS

CN Piperazinone, 6-(hydroxymethyl)-4-(2-naphthalenylsulfonyl)-1-[[1-(4-pyridinyl)-4-piperidinyl]methyl]- (9CI) (CA INDEX NAME)



RN 229646-71-3 CAPLUS

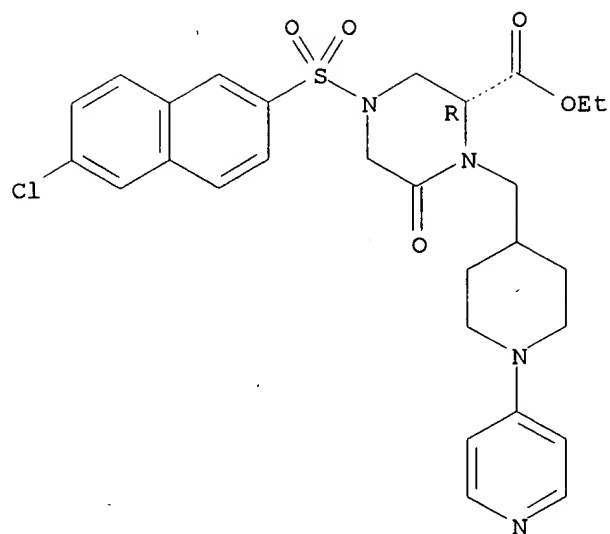
CN Piperazinone, 6-[(acetyloxy)methyl]-4-(2-naphthalenylsulfonyl)-1-[[1-(4-pyridinyl)-4-piperidinyl]methyl]- (9CI) (CA INDEX NAME)



RN 229646-72-4 CAPLUS

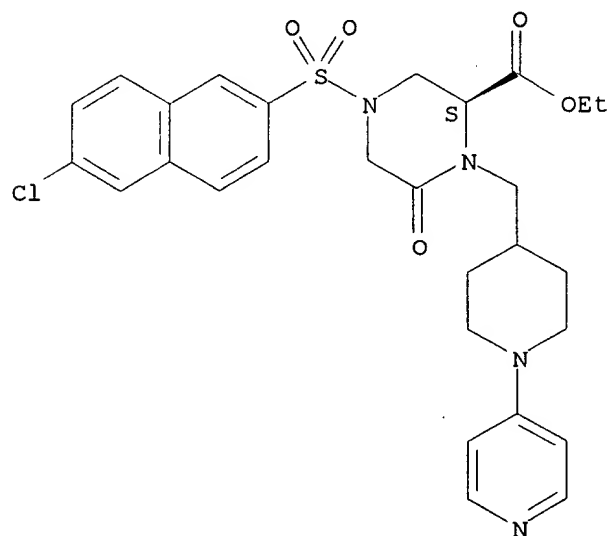
CN 2-Piperazinecarboxylic acid,
4-[(6-chloro-2-naphthalenyl)sulfonyl]-6-oxo-1-
[[1-(4-pyridinyl)-4-piperidinyl]methyl]-, ethyl ester, (2R)- (9CI) (CA
INDEX NAME)

Absolute stereochemistry.



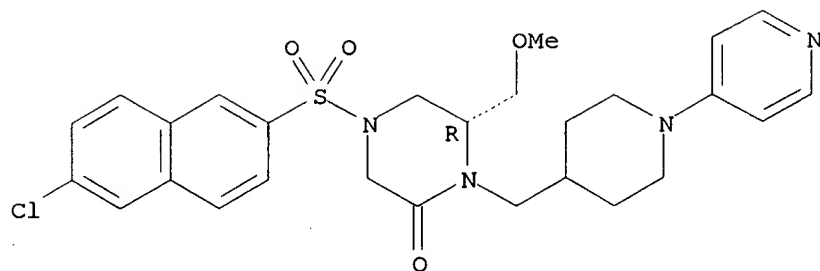
RN 229646-73-5 CAPLUS
 CN 2-Piperazinecarboxylic acid,
 4-[(6-chloro-2-naphthalenyl)sulfonyl]-6-oxo-1-
 [[1-(4-pyridinyl)-4-piperidinyl]methyl]-, ethyl ester, (2S)- (9CI) (CA
 INDEX NAME)

Absolute stereochemistry.



RN 229646-74-6 CAPLUS
 CN Piperazinone, 4-[(6-chloro-2-naphthalenyl)sulfonyl]-6-(methoxymethyl)-1-
 [[1-(4-pyridinyl)-4-piperidinyl]methyl]-, (6R)- (9CI) (CA INDEX NAME)

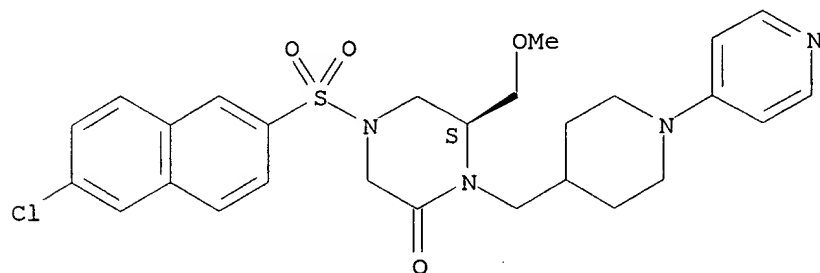
Absolute stereochemistry.



RN 229646-75-7 CAPLUS

CN Piperazinone, 4-[(6-chloro-2-naphthalenyl)sulfonyl]-6-(methoxymethyl)-1-[[1-(4-pyridinyl)-4-piperidinyl]methyl]-, (6S)- (9CI) (CA INDEX NAME)

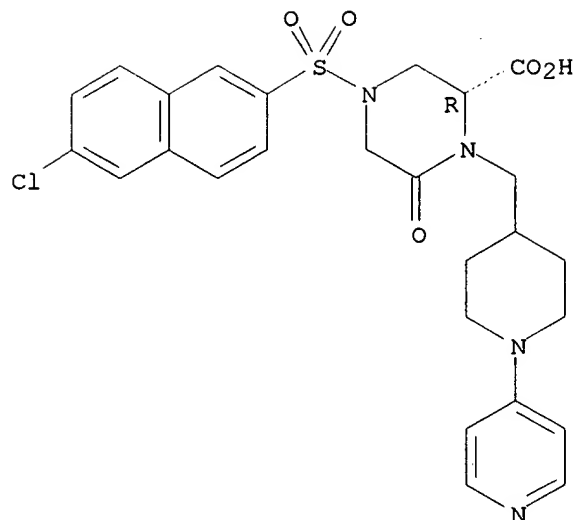
Absolute stereochemistry.



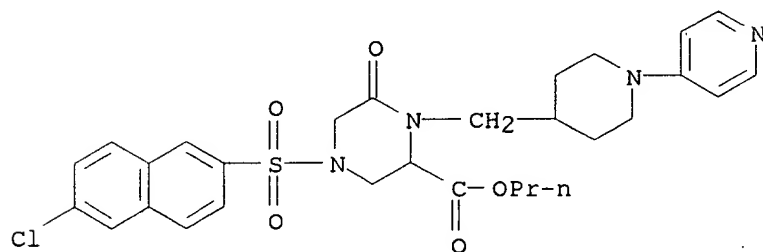
RN 229646-76-8 CAPLUS

CN 2-Piperazinecarboxylic acid, 4-[(6-chloro-2-naphthalenyl)sulfonyl]-6-oxo-1-[[1-(4-pyridinyl)-4-piperidinyl]methyl]-, (2R)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

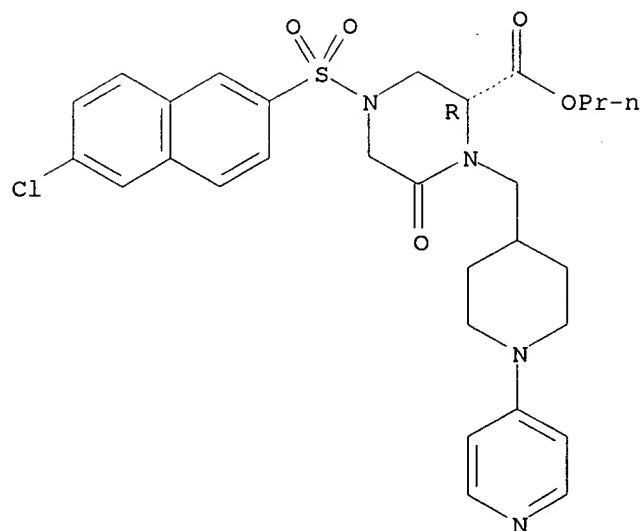


RN 229646-77-9 CAPLUS
 CN 2-Piperazinecarboxylic acid,
 4-[(6-chloro-2-naphthalenyl)sulfonyl]-6-oxo-1-
 [[1-(4-pyridinyl)-4-piperidyl]methyl]-, propyl ester (9CI) (CA INDEX
 NAME)

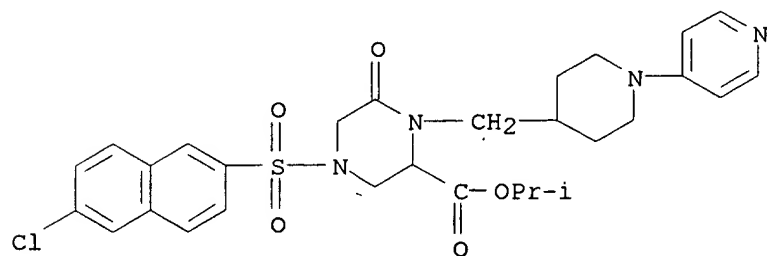


RN 229646-78-0 CAPLUS
 CN 2-Piperazinecarboxylic acid,
 4-[(6-chloro-2-naphthalenyl)sulfonyl]-6-oxo-1-
 [[1-(4-pyridinyl)-4-piperidyl]methyl]-, propyl ester, (2R)- (9CI) (CA
 INDEX NAME)

Absolute stereochemistry.

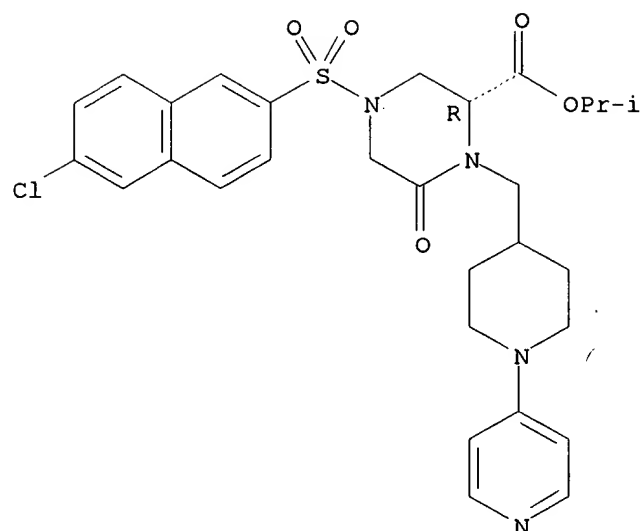


RN 229646-79-1 CAPLUS
 CN 2-Piperazinecarboxylic acid,
 4-[(6-chloro-2-naphthalenyl)sulfonyl]-6-oxo-1-
 [[1-(4-pyridinyl)-4-piperidiny]methyl]-, 1-methylethyl ester (9CI) (CA
 INDEX NAME)

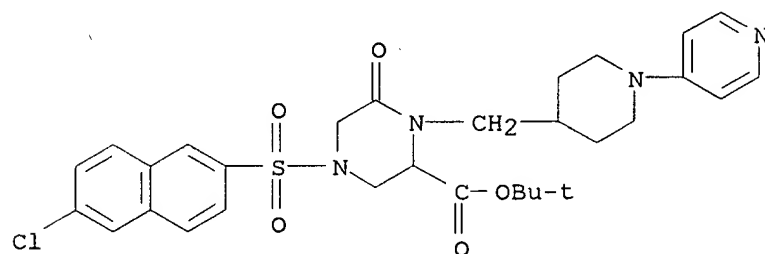


RN 229646-80-4 CAPLUS
 CN 2-Piperazinecarboxylic acid,
 4-[(6-chloro-2-naphthalenyl)sulfonyl]-6-oxo-1-
 [[1-(4-pyridinyl)-4-piperidiny]methyl]-, 1-methylethyl ester, (2R)-
 (9CI)
 (CA INDEX NAME)

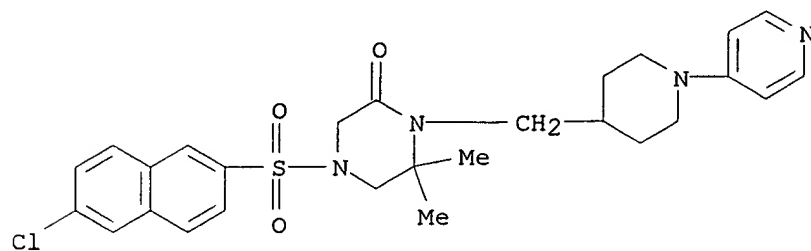
Absolute stereochemistry.



RN 229646-81-5 CAPLUS
 CN 2-Piperazinecarboxylic acid,
 4-[(6-chloro-2-naphthalenyl)sulfonyl]-6-oxo-1-
 [[1-(4-pyridinyl)-4-piperidinyl]methyl]-, 1,1-dimethylethyl ester (9CI)
 (CA INDEX NAME)



RN 229646-82-6 CAPLUS
 CN Piperazinone,
 4-[(6-chloro-2-naphthalenyl)sulfonyl]-6,6-dimethyl-1-[[1-(4-
 pyridinyl)-4-piperidinyl]methyl]- (9CI) (CA INDEX NAME)

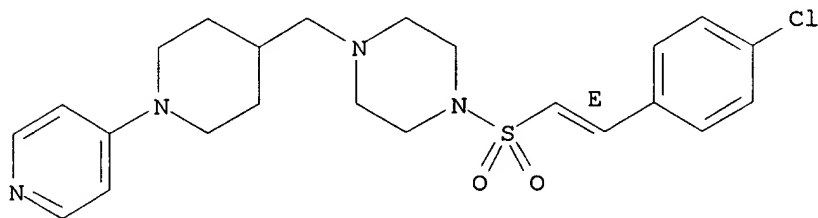


RN 229646-83-7 CAPLUS
 CN Piperazine, 1-[[[(1E)-2-(4-chlorophenyl)ethenyl]sulfonyl]-4-[[1-(4-pyridinyl)-4-piperidinyl]methyl]-, monomethanesulfonate (9CI) (CA INDEX NAME)

CM 1

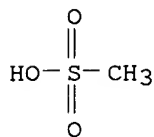
CRN 229646-14-4
 CMF C23 H29 Cl N4 O2 S

Double bond geometry as shown.



CM 2

CRN 75-75-2
 CMF C H4 O3 S



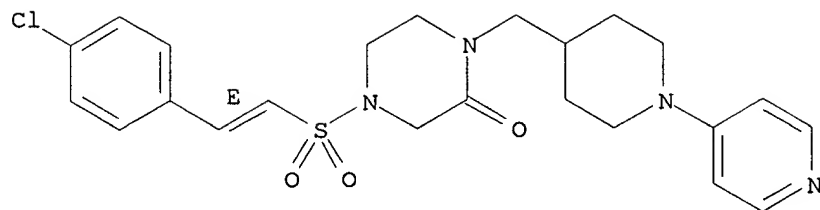
RN 229646-84-8 CAPLUS
 CN Piperazinone, 4-[[[(1E)-2-(4-chlorophenyl)ethenyl]sulfonyl]-1-[[1-(4-pyridinyl)-4-piperidinyl]methyl]-, monomethanesulfonate (9CI) (CA INDEX NAME)

CM 1

CRN 229646-35-9
 CMF C23 H27 Cl N4 O3 S

Double bond geometry as shown.

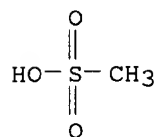
09/ 582,442



CM 2

CRN 75-75-2

CMF C H4 O3 S



RN 229646-85-9 CAPLUS

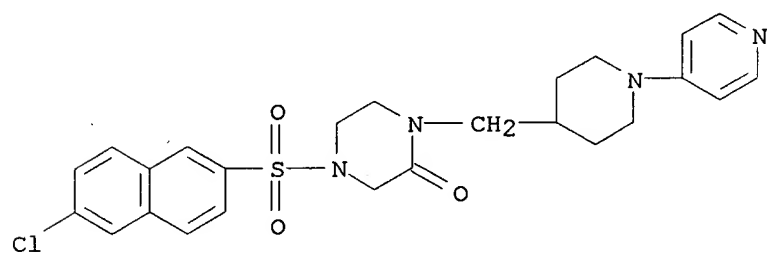
CN Piperazinone,

4-[(6-chloro-2-naphthalenyl)sulfonyl]-1-[[1-(4-pyridinyl)-4-piperidinyl]methyl]-, monomethanesulfonate (9CI) (CA INDEX NAME)

CM 1

CRN 229646-37-1

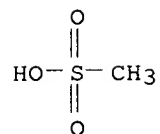
CMF C25 H27 Cl N4 O3 S



CM 2

CRN 75-75-2

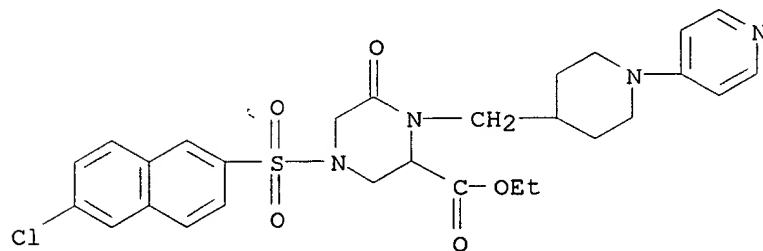
CMF C H4 O3 S



RN 229646-86-0 CAPLUS
 CN 2-Piperazinecarboxylic acid,
 4-[(6-chloro-2-naphthalenyl)sulfonyl]-6-oxo-1-
 [[1-(4-pyridinyl)-4-piperidinyl]methyl]-, ethyl ester,
 monomethanesulfonate (9CI) (CA INDEX NAME)

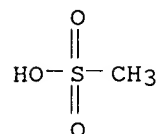
CM 1

CRN 229646-51-9
 CMF C28 H31 Cl N4 O5 S



CM 2

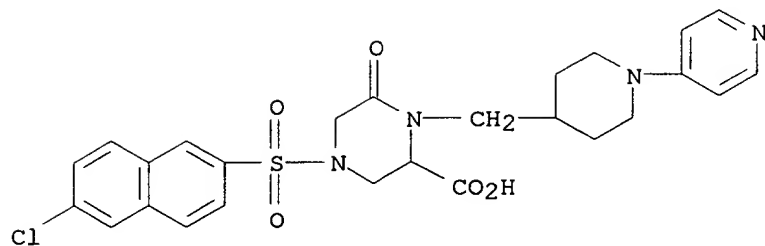
CRN 75-75-2
 CMF C H4 O3 S



RN 229646-87-1 CAPLUS
 CN 2-Piperazinecarboxylic acid,
 4-[(6-chloro-2-naphthalenyl)sulfonyl]-6-oxo-1-
 [[1-(4-pyridinyl)-4-piperidinyl]methyl]-, monomethanesulfonate (9CI) (CA
 INDEX NAME)

CM 1

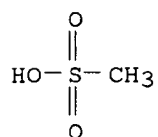
CRN 229646-52-0
 CMF C26 H27 Cl N4 O5 S



CM 2

CRN 75-75-2

CMF C H4 O3 S



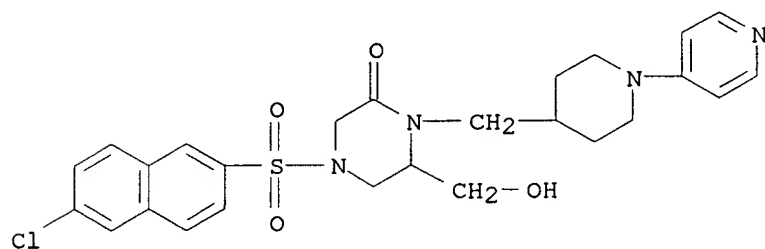
RN 229646-88-2 CAPLUS

CM Piperazinone, 4-[(6-chloro-2-naphthalenyl)sulfonyl]-6-(hydroxymethyl)-1-
 [[1-(4-pyridinyl)-4-piperidinyl]methyl]-, monomethanesulfonate (salt)
 (9CI) (CA INDEX NAME)

CM 1

CRN 229646-53-1

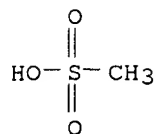
CMF C26 H29 Cl N4 O4 S



CM 2

CRN 75-75-2

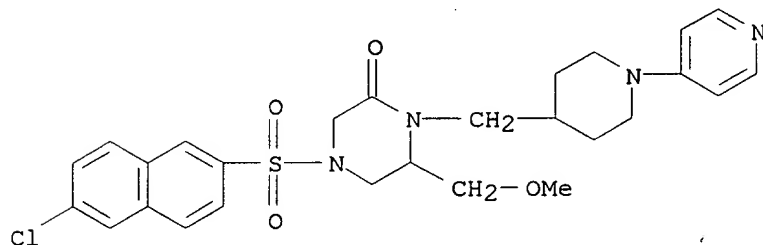
CMF C H4 O3 S



RN 229646-89-3 CAPLUS
 CN Piperazinone, 4-[(6-chloro-2-naphthalenyl)sulfonyl]-6-(methoxymethyl)-1-
 [[1-(4-pyridinyl)-4-piperidinyl]methyl]-, monomethanesulfonate (9CI) (CA
 INDEX NAME)

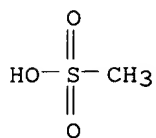
CM 1

CRN 229646-54-2
 CMF C27 H31 Cl N4 O4 S



CM 2

CRN 75-75-2
 CMF C H4 O3 S

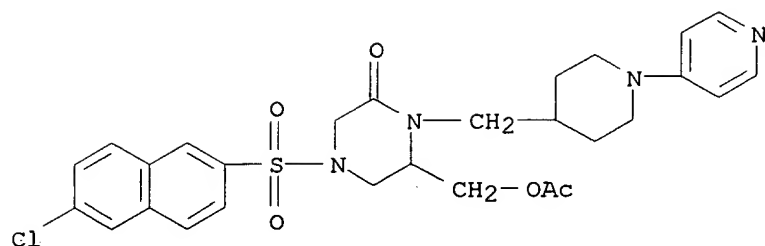


RN 229646-90-6 CAPLUS
 CN Piperazinone,
 6-[(acetyloxy)methyl]-4-[(6-chloro-2-naphthalenyl)sulfonyl]-
 1-[[1-(4-pyridinyl)-4-piperidinyl]methyl]-, monomethanesulfonate (9CI)
 (CA INDEX NAME)

CM 1

CRN 229646-55-3
 CMF C28 H31 Cl N4 O5 S

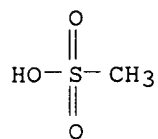
09/ 582,442



CM 2

CRN 75-75-2

CMF C H4 O3 S



RN 229646-91-7 CAPLUS

CN 2-Piperazinecarboxylic acid,

4-[[[(1E)-2-(4-chlorophenyl)ethenyl]sulfonyl]-

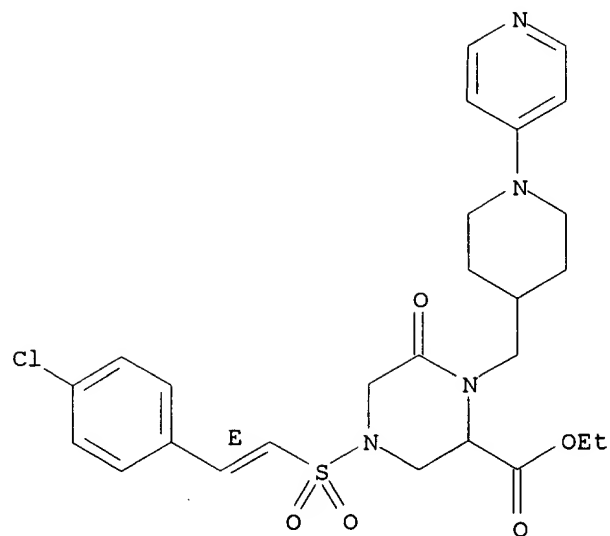
6-oxo-1-[[1-(4-pyridinyl)-4-piperidinyl]methyl]-, ethyl ester,
monomethanesulfonate (9CI) (CA INDEX NAME)

CM 1

CRN 229646-56-4

CMF C26 H31 Cl N4 O5 S

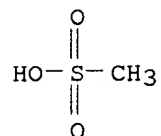
Double bond geometry as shown.



CM 2

CRN 75-75-2

CMF C H4 O3 S



RN 229646-92-8 CAPLUS

CN 2-Piperazinecarboxylic acid,

4-[[[(1E)-2-(4-chlorophenyl)ethenyl]sulfonyl]-

6-oxo-1-[[1-(4-pyridinyl)-4-piperidinyl]methyl]-, monomethanesulfonate

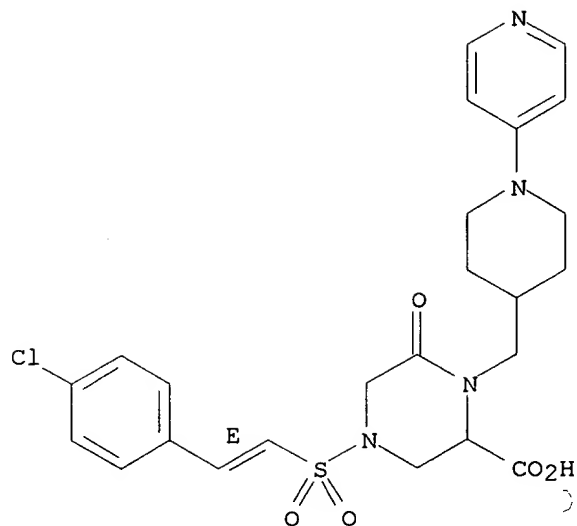
(9CI) (CA INDEX NAME)

CM 1

CRN 229646-57-5

CMF C24 H27 Cl N4 O5 S

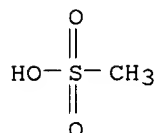
Double bond geometry as shown.



CM 2

CRN 75-75-2

CMF C H4 O3 S



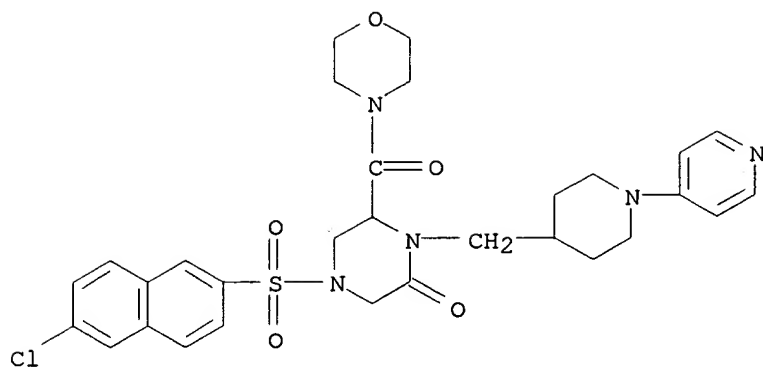
RN 229646-93-9 CAPLUS

CN Morpholine, 4-[[4-[(6-chloro-2-naphthalenyl)sulfonyl]-6-oxo-1-[[1-(4-pyridinyl)-4-piperidinyl)methyl]-2-piperazinyl]carbonyl]-, monomethanesulfonate (9CI) (CA INDEX NAME)

CM 1

CRN 229646-60-0

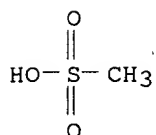
CMF C30 H34 Cl N5 O5 S



CM 2

CRN 75-75-2

CMF C H4 O3 S



RN 229646-94-0 CAPLUS

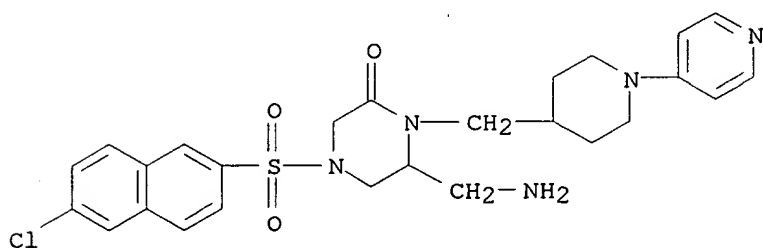
CN Piperazinone,

6-(aminomethyl)-4-[(6-chloro-2-naphthalenyl)sulfonyl]-1-[[1-(4-pyridinyl)-4-piperidinyl]methyl]-, monomethanesulfonate (9CI) (CA INDEX NAME)

CM 1

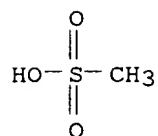
CRN 229646-64-4

CMF C26 H30 Cl N5 O3 S



CM 2

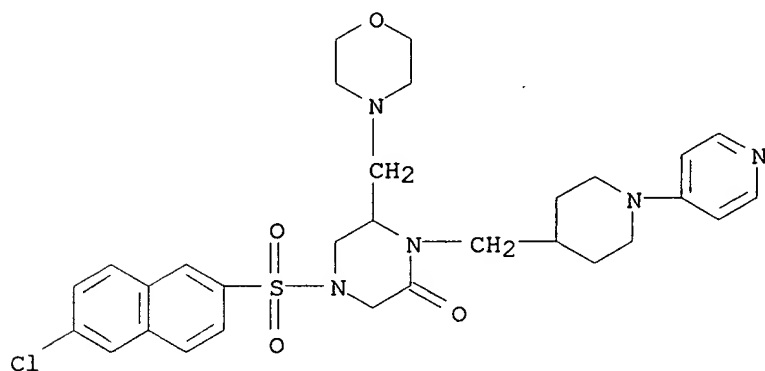
CRN 75-75-2
CMF C H4 O3 S



RN 229646-95-1 CAPLUS
CN Piperazinone, 4-[(6-chloro-2-naphthalenyl)sulfonyl]-6-(4-morpholinylmethyl)-1-[[1-(4-pyridinyl)-4-piperidinyl]methyl]-, monomethanesulfonate (9CI) (CA INDEX NAME)

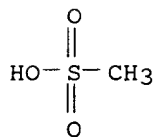
CM 1

CRN 229646-65-5
CMF C30 H36 Cl N5 O4 S



CM 2

CRN 75-75-2
CMF C H4 O3 S



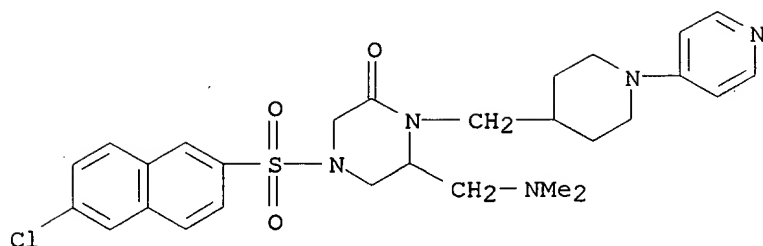
RN 229646-96-2 CAPLUS
CN Piperazinone, 4-[(6-chloro-2-naphthalenyl)sulfonyl]-6-[(dimethylamino)methyl]-1-[[1-(4-pyridinyl)-4-piperidinyl]methyl]-, monomethanesulfonate (9CI) (CA INDEX NAME)

09/ 582,442

CM 1

CRN 229646-66-6

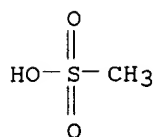
CMF C28 H34 Cl N5 O3 S



CM 2

CRN 75-75-2

CMF C H4 O3 S



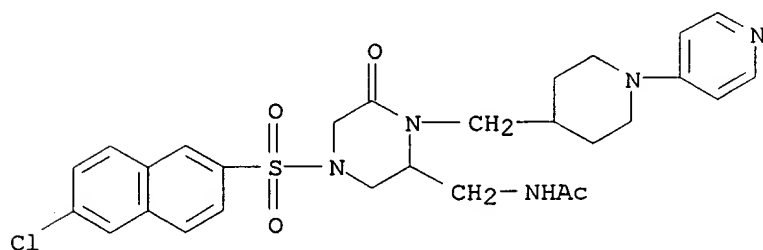
RN 229646-97-3 CAPLUS

CN Acetamide, N-[[4-[(6-chloro-2-naphthalenyl)sulfonyl]-6-oxo-1-[[1-(4-pyridinyl)-4-piperidinyl]methyl]-2-piperazinyl]methyl]-, monomethanesulfonate (9CI) (CA INDEX NAME)

CM 1

CRN 229646-67-7

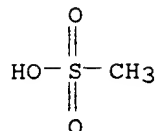
CMF C28 H32 Cl N5 O4 S



CM 2

09/ 582,442

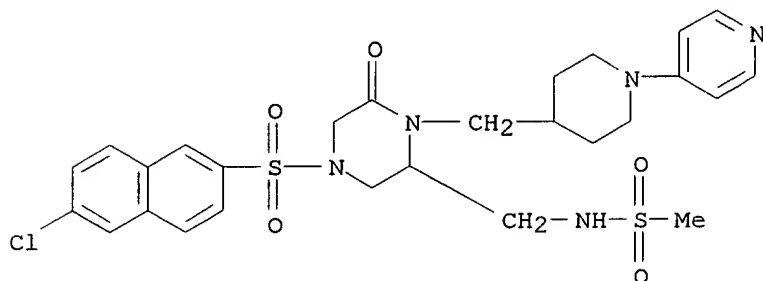
CRN 75-75-2
CMF C H4 O3 S



RN 229646-98-4 CAPLUS
CN Methanesulfonamide,
N-[[4-[(6-chloro-2-naphthalenyl)sulfonyl]-6-oxo-1-[[1-(4-pyridinyl)-4-piperidinyl]methyl]-2-piperazinyl]methyl]-,
monomethanesulfonate (9CI) (CA INDEX NAME)

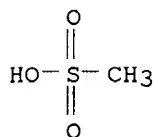
CM 1

CRN 229646-68-8
CMF C27 H32 Cl N5 O5 S2



CM 2

CRN 75-75-2
CMF C H4 O3 S

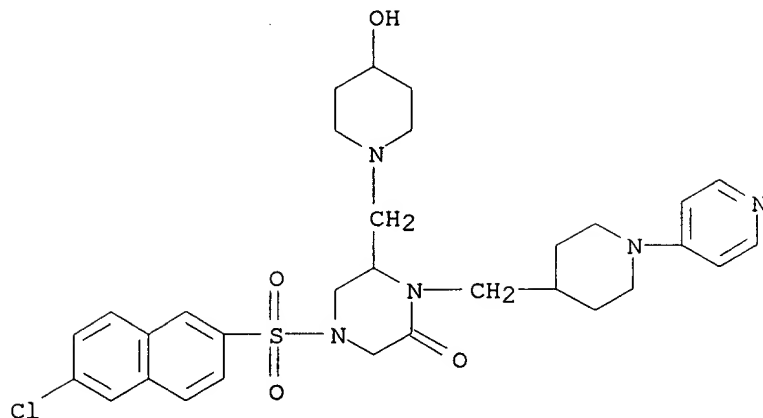


RN 229646-99-5 CAPLUS
CN Piperazinone, 4-[(6-chloro-2-naphthalenyl)sulfonyl]-6-[(4-hydroxy-1-piperidinyl)methyl]-1-[[1-(4-pyridinyl)-4-piperidinyl]methyl]-,
monomethanesulfonate (salt) (9CI) (CA INDEX NAME)

CM 1

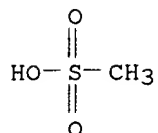
09/ 582,442

CRN 229646-69-9
CMF C31 H38 Cl N5 O4 S



CM 2

CRN 75-75-2
CMF C H4 O3 S

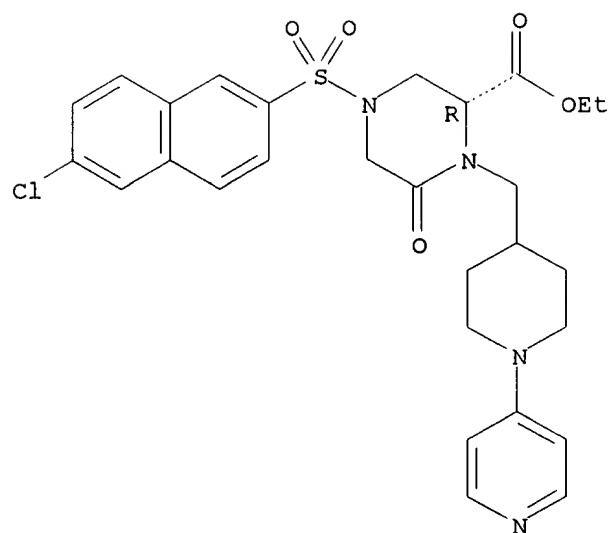


RN 229647-00-1 CAPLUS
CN 2-Piperazinecarboxylic acid,
4-[(6-chloro-2-naphthalenyl)sulfonyl]-6-oxo-1-
[[1-(4-pyridinyl)-4-piperidiny]methyl]-, ethyl ester, (2R)-,
monomethanesulfonate (9CI) (CA INDEX NAME)

CM 1

CRN 229646-72-4
CMF C28 H31 Cl N4 O5 S

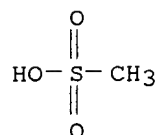
Absolute stereochemistry.



CM 2

CRN 75-75-2

CMF C H4 O3 S



RN 229647-01-2 CAPLUS

CN 2-Piperazinecarboxylic acid,

4-[(6-chloro-2-naphthalenyl)sulfonyl]-6-oxo-1-

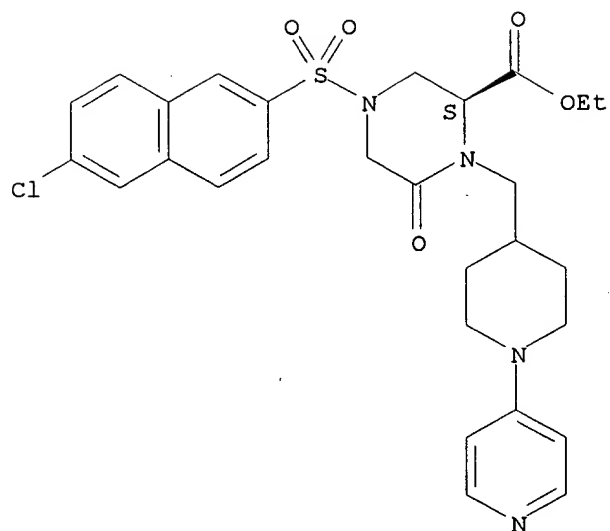
[[1-(4-pyridinyl)-4-piperidinyl]methyl]-, ethyl ester, (2S)-,
monomethanesulfonate (9CI) (CA INDEX NAME)

CM 1

CRN 229646-73-5

CMF C28 H31 Cl N4 O5 S

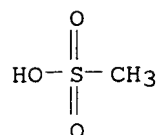
Absolute stereochemistry.



CM 2

CRN 75-75-2

CMF C H4 O3 S



RN 229647-02-3 CAPLUS

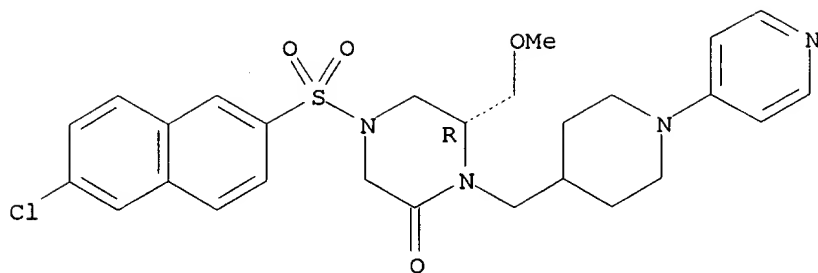
CN Piperazinone, 4-[(6-chloro-2-naphthalenyl)sulfonyl]-6-(methoxymethyl)-1-
 [[1-(4-pyridinyl)-4-piperidinyl]methyl]-, (6R)-, monomethanesulfonate
 (9CI) (CA INDEX NAME)

CM 1

CRN 229646-74-6

CMF C27 H31 Cl N4 O4 S

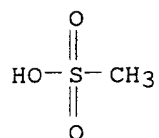
Absolute stereochemistry.



CM 2

CRN 75-75-2

CMF C H4 O3 S



RN 229647-03-4 CAPLUS

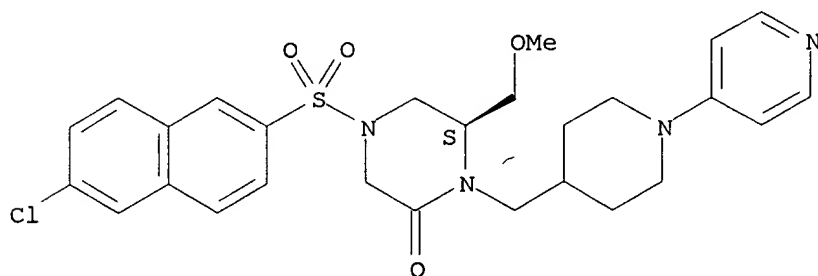
CN Piperazinone, 4-[(6-chloro-2-naphthalenyl)sulfonyl]-6-(methoxymethyl)-1-
 [[1-(4-pyridinyl)-4-piperidinyl]methyl]-, (6S)-, monomethanesulfonate
 (9CI) (CA INDEX NAME)

CM 1

CRN 229646-75-7

CMF C27 H31 Cl N4 O4 S

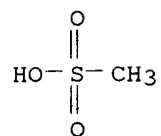
Absolute stereochemistry.



CM 2

CRN 75-75-2

CMF C H4 O3 S

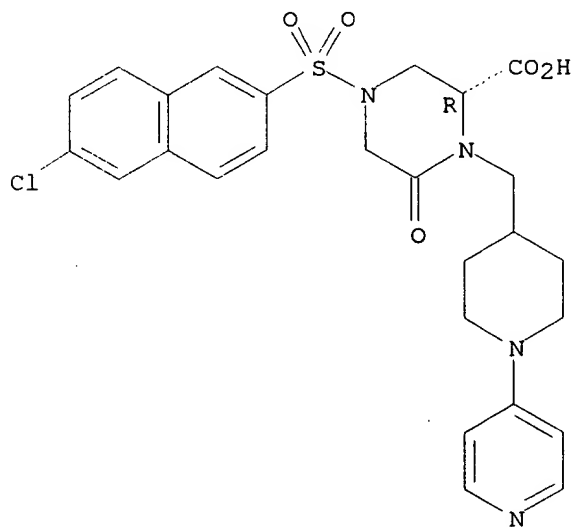


RN 229647-04-5 CAPLUS
 CN 2-Piperazinecarboxylic acid,
 4-[(6-chloro-2-naphthalenyl)sulfonyl]-6-oxo-1-
 [[1-(4-pyridinyl)-4-piperidinyl]methyl]-, (2R)-, monomethanesulfonate
 (9CI) (CA INDEX NAME)

CM 1

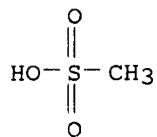
CRN 229646-76-8
 CMF C26 H27 Cl N4 O5 S

Absolute stereochemistry.



CM 2

CRN 75-75-2
 CMF C H4 O3 S

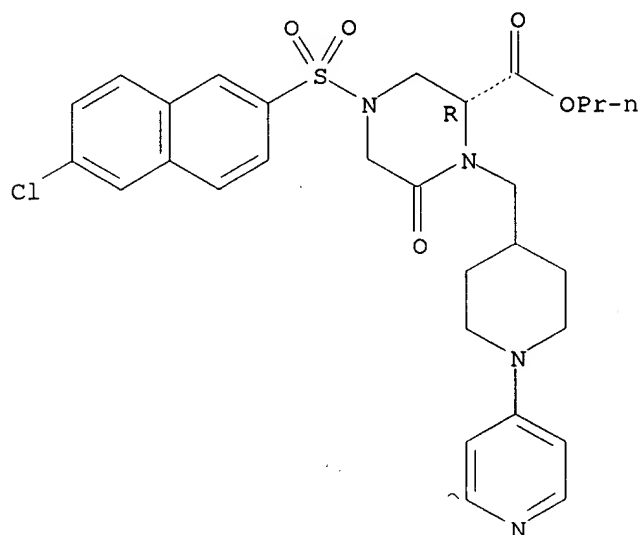


RN 229647-05-6 CAPLUS
 CN 2-Piperazinecarboxylic acid,
 4-[(6-chloro-2-naphthalenyl)sulfonyl]-6-oxo-1-
 [[1-(4-pyridinyl)-4-piperidinyl)methyl]-, propyl ester, (2R)-,
 monomethanesulfonate (9CI) (CA INDEX NAME)

CM 1

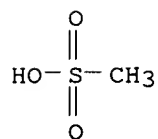
CRN 229646-78-0
 CMF C29 H33 Cl N4 O5 S

Absolute stereochemistry.



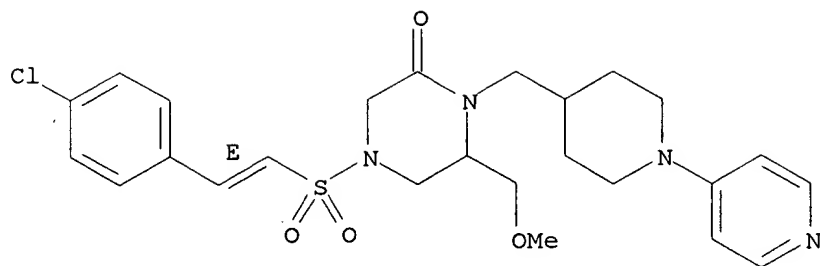
CM 2

CRN 75-75-2
 CMF C H4 O3 S



RN 229955-03-7 CAPLUS
 CN Piperazinone, 4-[[[(1E)-2-(4-chlorophenyl)ethenyl)sulfonyl]-6-(methoxymethyl)-1-[[1-(4-pyridinyl)-4-piperidinyl)methyl]- (9CI) (CA INDEX NAME)

Double bond geometry as shown.



IT 229647-18-1P 229955-04-8P 229955-05-9P

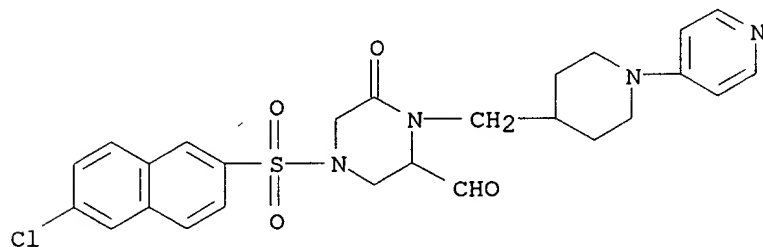
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation)
(prepn. of arom. compds. having cyclic amino or salts thereof as FXa inhibitors)

RN 229647-18-1 CAPLUS

CN 2-Piperazinecarboxaldehyde,

4-[(6-chloro-2-naphthalenyl)sulfonyl]-6-oxo-1-

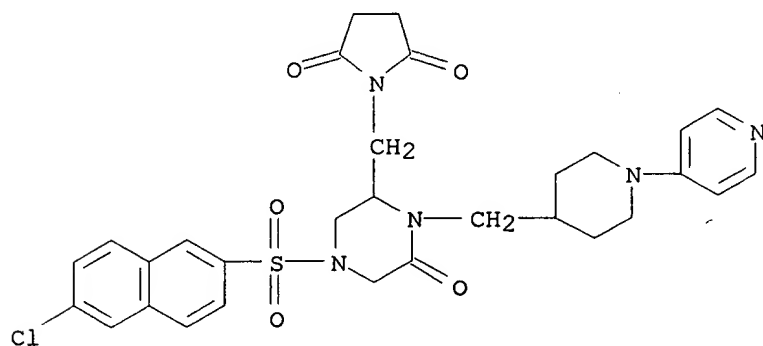
[[1-(4-pyridinyl)-4-piperidinyl]methyl]- (9CI) (CA INDEX NAME)



RN 229955-04-8 CAPLUS

CN Piperazinone, 4-[(6-chloro-2-naphthalenyl)sulfonyl]-6-[(2,5-dioxo-1-pyrrolidinyl)methyl]-1-[[1-(4-pyridinyl)-4-piperidinyl]methyl]- (9CI)

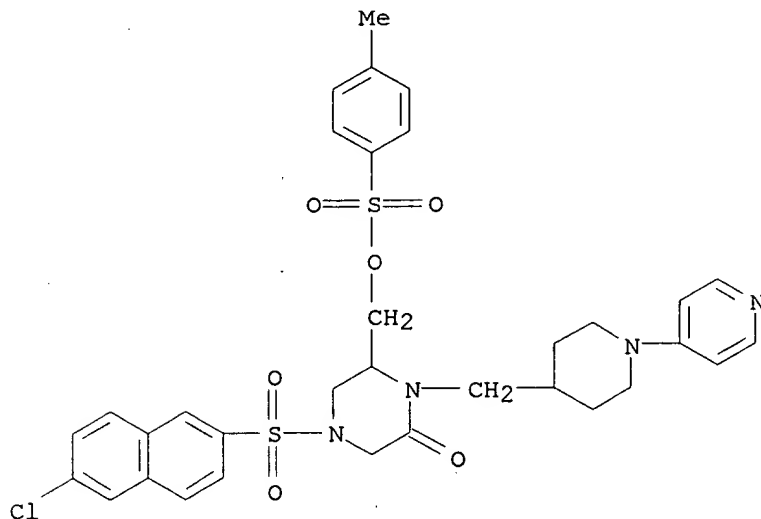
(CA INDEX NAME)



RN 229955-05-9 CAPLUS

CN Piperazinone, 4-[(6-chloro-2-naphthalenyl)sulfonyl]-6-[[[4-

methylphenyl)sulfonyl]oxy)methyl]-1-[[1-(4-pyridinyl)-4-piperidinyl]methyl]- (9CI) (CA INDEX NAME)



REFERENCE COUNT:

15

REFERENCE(S):

- (1) Adir Et Co; FR 2601364 A CAPLUS
 - (2) Adir Et Co; EP 262993 A CAPLUS
 - (3) Adir Et Co; US 4820707 A CAPLUS
 - (6) Glaxo Group Ltd; EP 542363 A CAPLUS
 - (7) Glaxo Group Ltd; EP 612313 A CAPLUS
- ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 3 OF 8 CAPLUS COPYRIGHT 2001 ACS

ACCESSION NUMBER: 1999:113671 CAPLUS

DOCUMENT NUMBER: 130:168388

TITLE: Pyridyl- and pyrimidyl-heterocyclic compounds inhibiting oxidosqualene cyclase

INVENTOR(S): Newcombe, Nicholas John; Johnson, Michael Clyde

PATENT ASSIGNEE(S): Zeneca Limited, UK

SOURCE: PCT Int. Appl., 43 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

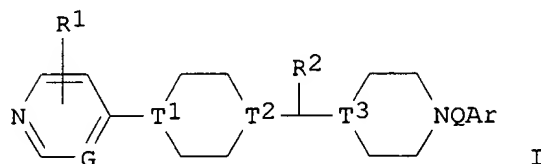
LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

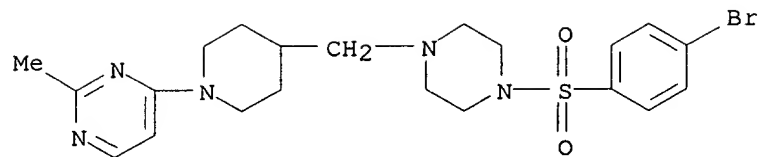
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9906395	A1	19990211	WO 1998-GB2196	19980723
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RW: GH, GM, KE, LS, MW, SD, SZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI,				

CM, GA, GN, GW, ML, MR, NE, SN, TD, TG
 AU 9885471 A1 19990222 AU 1998-85471 19980723
 EP 1000057 A1 20000517 EP 1998-936494 19980723
 R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,
 IE, FI
 PRIORITY APPLN. INFO.: GB 1997-15892 19970729
 WO 1998-GB2196 19980723
 OTHER SOURCE(S): MARPAT 130:168388
 GI

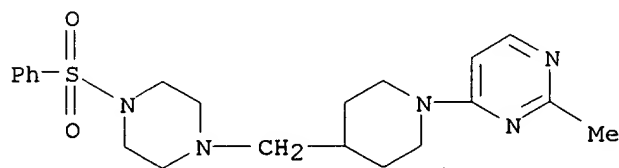


AB The title compds. I [G = CH, N; R1 = H, halo, (1-6C)alkyl, halo(1-6C)alkyl, cyano, nitro, (1-6C)alkoxycarbonyl, NR3R4 (R3, R4 = H, (1-6C)alkyl), up to 3 R1 groups may be present; T1 = CH, N; T2, T3 = N, CR
 (R = H, hydroxyl, (C1-4)alkyl); either ring contg. T2 or T3 is optionally substituted with an oxo group; R2 = H, (1-4C)alkyl; Q = SO2, CO, CH2; Ar = five or six-membered heterocycle contg. up to 3 heteroatoms selected from nitrogen, oxygen and sulfur, Ph, phenyl(2-6C)alkenyl, naphthyl in which any Ar group is optionally substituted by one or more substituents selected from (1-6C)alkyl, halo, halo(1-6C)alkyl, (1-6C)alkoxy, (1-6C)alkoxycarbonyl, cyano, (1-6C)alkylamido, nitro, NR3R4 (R3, R4 = H, (1-4C)alkyl) both T2 and T3 are not N and when T2 is CR then T1 is not CH], useful in inhibiting oxidosqualene cyclase (no data), were prepd. E.g.,
 1-(4-chlorophenylsulfonyl)-4-[1-(2-methylpyrimidin-4-yl)piperazin-4-ylmethyl]piperidine was prepd.
 IT 220358-83-8P 220358-84-9P 220358-85-0P
 220358-86-1P 220358-88-3P 220358-89-4P
 220358-90-7P 220358-91-8P 220358-92-9P
 220358-93-0P 220358-94-1P 220358-95-2P
 220358-96-3P 220359-01-3P 220359-03-5P
 220359-04-6P 220359-05-7P 220359-06-8P
 RL: BAC (Biological activity or effector, except adverse); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
 (prepn. of pyridyl- and pyrimidyl-heterocyclic compds. as inhibitors of oxidosqualene cyclase)
 RN 220358-83-8 CAPLUS
 CN Piperazine, 1-[(4-bromophenyl)sulfonyl]-4-[[1-(2-methyl-4-pyrimidinyl)-4-piperidinyl]methyl]- (9CI) (CA INDEX NAME)

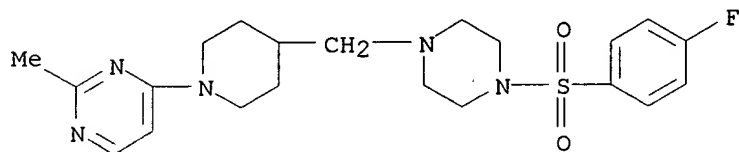


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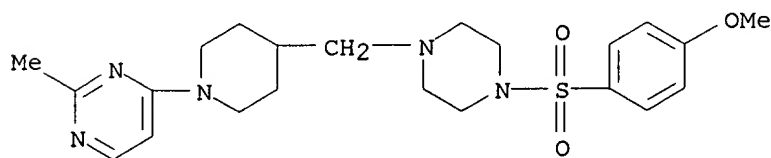
CN Piperazine, 1-[[1-(2-methyl-4-pyrimidinyl)-4-piperidinyl]methyl]-4-(phenylsulfonyl)- (9CI) (CA INDEX NAME)



RN 220358-85-0 CAPLUS

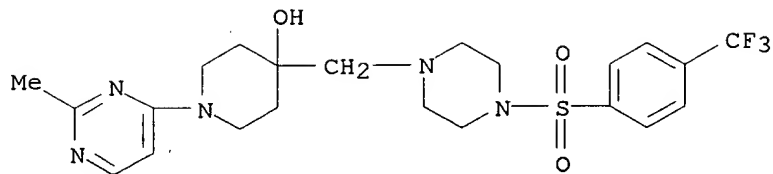
CN Piperazine,
1-[(4-fluorophenyl)sulfonyl]-4-[[1-(2-methyl-4-pyrimidinyl)-4-piperidinyl]methyl]- (9CI) (CA INDEX NAME)

RN 220358-86-1 CAPLUS

CN Piperazine,
1-[(4-methoxyphenyl)sulfonyl]-4-[[1-(2-methyl-4-pyrimidinyl)-4-piperidinyl]methyl]- (9CI) (CA INDEX NAME)

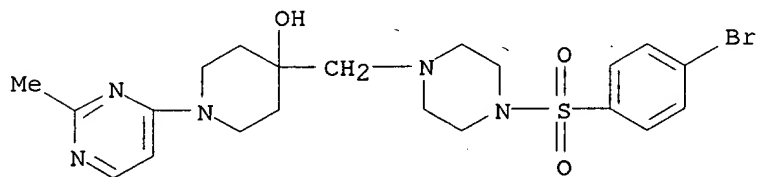
RN 220358-88-3 CAPLUS

CN Piperazine,
1-[[4-hydroxy-1-(2-methyl-4-pyrimidinyl)-4-piperidinyl]methyl]-4-[[4-(trifluoromethyl)phenyl]sulfonyl]- (9CI) (CA INDEX NAME)



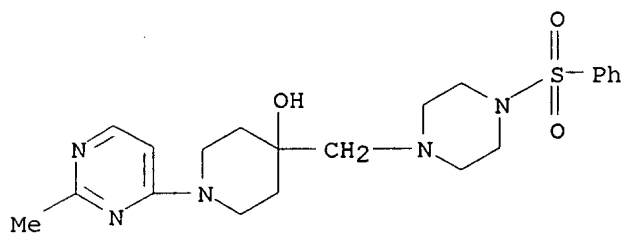
RN 220358-89-4 CAPLUS

CN Piperazine, 1-[(4-bromophenyl)sulfonyl]-4-[[4-hydroxy-1-(2-methyl-4-pyrimidinyl)-4-piperidinyl]methyl]- (9CI) (CA INDEX NAME)



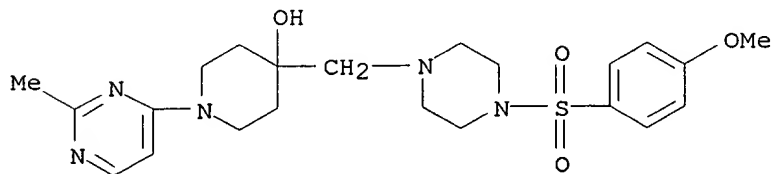
RN 220358-90-7 CAPLUS

CN Piperazine,
1-[[4-hydroxy-1-(2-methyl-4-pyrimidinyl)-4-piperidinyl]methyl]-
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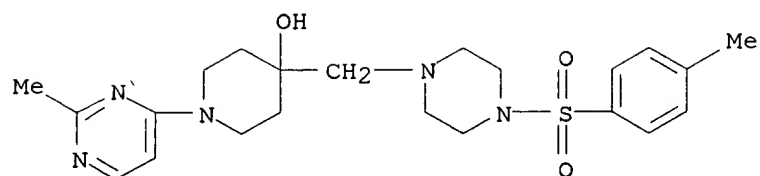
RN 220358-91-8 CAPLUS

CN Piperazine,
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4-[(4-methoxyphenyl)sulfonyl]- (9CI) (CA INDEX NAME)



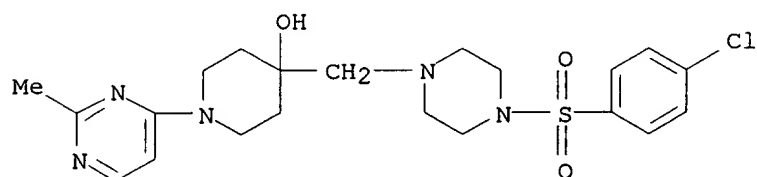
RN 220358-92-9 CAPLUS

CN Piperazine,
1-[[4-hydroxy-1-(2-methyl-4-pyrimidinyl)-4-piperidinyl]methyl]-
4-[(4-methylphenyl)sulfonyl]- (9CI) (CA INDEX NAME)



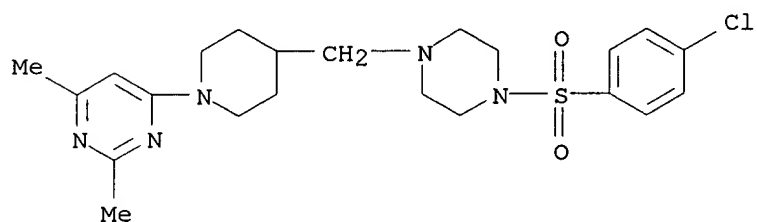
RN 220358-93-0 CAPLUS

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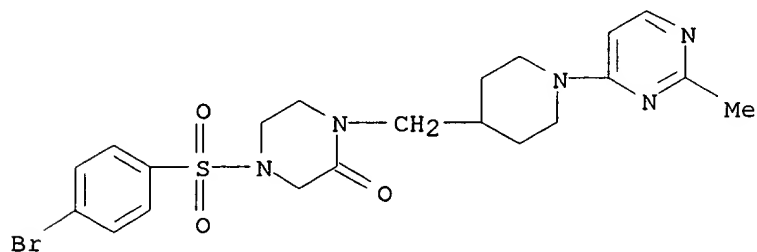
RN 220358-94-1 CAPLUS

CN Piperazine, 1-[(4-chlorophenyl)sulfonyl]-4-[[1-(2,6-dimethyl-4-pyrimidinyl)-4-piperidinyl]methyl]- (9CI) (CA INDEX NAME)



RN 220358-95-2 CAPLUS

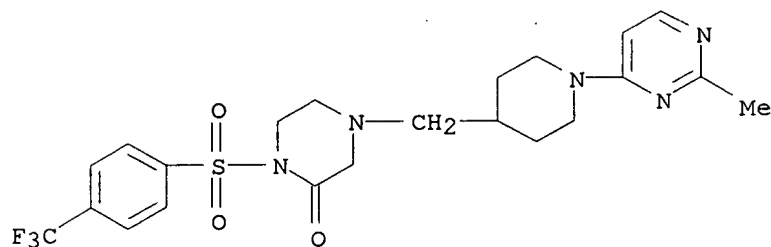
CN Piperazinone, 4-[(4-bromophenyl)sulfonyl]-1-[[1-(2-methyl-4-pyrimidinyl)-4-piperidinyl]methyl]- (9CI) (CA INDEX NAME)



RN 220358-96-3 CAPLUS

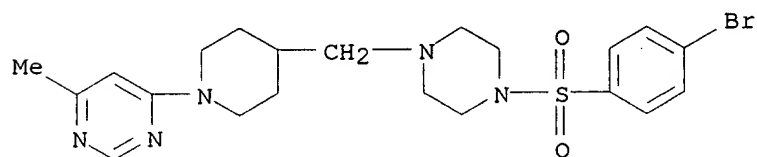
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(trifluoromethyl)phenyl)sulfonyl]- (9CI) (CA INDEX NAME)



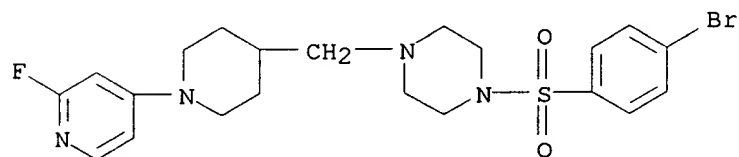
RN 220359-01-3 CAPLUS

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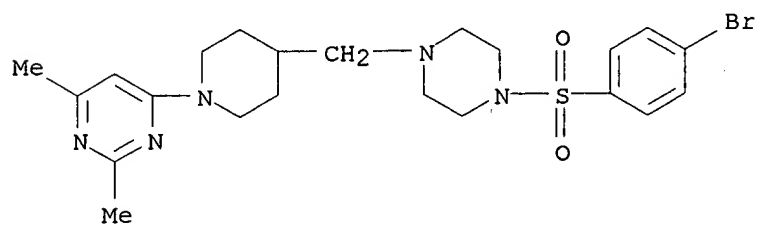
RN 220359-03-5 CAPLUS

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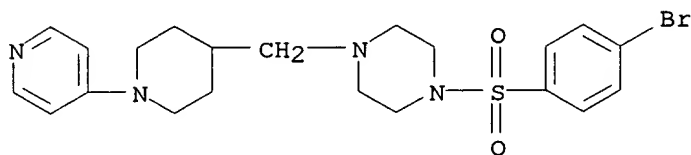


RN 220359-04-6 CAPLUS

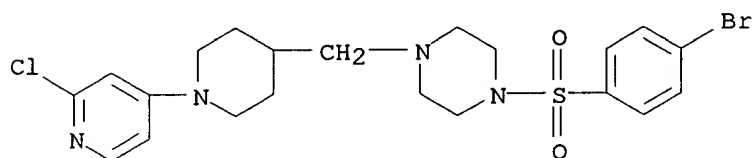
CN Piperazine, 1-[(4-bromophenyl)sulfonyl]-4-[[1-(2,6-dimethyl-4-pyrimidinyl)-4-piperidinyl]methyl]- (9CI) (CA INDEX NAME)



RN 220359-05-7 CAPLUS
 CN Piperazine, 1-[(4-bromophenyl)sulfonyl]-4-[[1-(4-pyridinyl)-4-piperidinyl]methyl]- (9CI) (CA INDEX NAME)

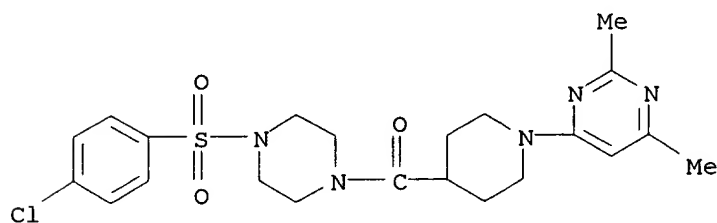


RN 220359-06-8 CAPLUS
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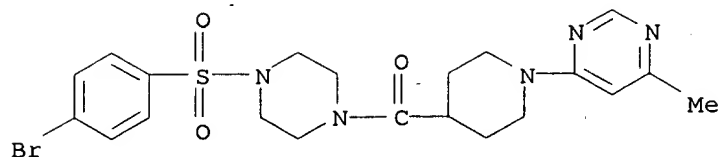


IT 203522-53-6 220359-08-0
 RL: RCT (Reactant)
 (prepn. of pyridyl- and pyrimidyl-heterocyclic compds. as inhibitors
 of oxidosqualene cyclase)

RN 203522-53-6 CAPLUS
 CN Piperazine, 1-[(4-chlorophenyl)sulfonyl]-4-[[1-(2,6-dimethyl-4-pyrimidinyl)-4-piperidinyl]carbonyl]- (9CI) (CA INDEX NAME)



RN 220359-08-0 CAPLUS
 CN Piperazine, 1-[(4-bromophenyl)sulfonyl]-4-[[1-(6-methyl-4-pyrimidinyl)-4-piperidinyl]carbonyl]- (9CI) (CA INDEX NAME)



IT 220359-13-7P

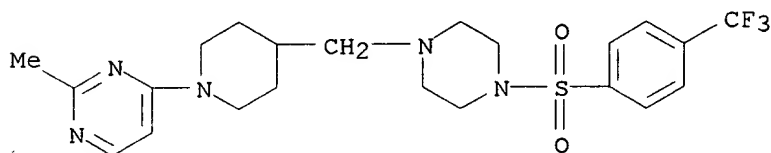
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation)
(prepn. of pyridyl- and pyrimidyl-heterocyclic compds. as inhibitors

of

oxidosqualene cyclase)

RN 220359-13-7 CAPLUS

CN Piperazine, 1-[[1-(2-methyl-4-pyrimidinyl)-4-piperidinyl]methyl]-4-[[4-(trifluoromethyl)phenyl]sulfonyl]- (9CI) (CA INDEX NAME)



REFERENCE COUNT:

6

REFERENCE (S):

- (1) Brown, G; WO 9706802 A 1997 CAPLUS
 - (2) Brown, G; WO 9728128 A 1997 CAPLUS
 - (3) Brown, G; WO 9806705 A 1998 CAPLUS
 - (4) Brown, G; WO 9835956 A 1998 CAPLUS
 - (5) Brown, G; WO 9835959 A 1998 CAPLUS
- ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 4 OF 8 CAPLUS COPYRIGHT 2001 ACS

ACCESSION NUMBER: 1998:568819 CAPLUS

DOCUMENT NUMBER: 129:189344

TITLE: 1-(Arylsulfonyl)-4-[[1-(4-pyridyl)piperazin-4-yl]carbonyl]piperazines and analogs useful as oxido-squalene cyclase inhibitors

INVENTOR(S): Brown, George Robert

PATENT ASSIGNEE(S): Zeneca Limited, UK

SOURCE: PCT Int. Appl., 45 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9835956	A1	19980820	WO 1998-GB405	19980209
W: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GE, GH, GM, GW, HU, ID, IL, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX,				

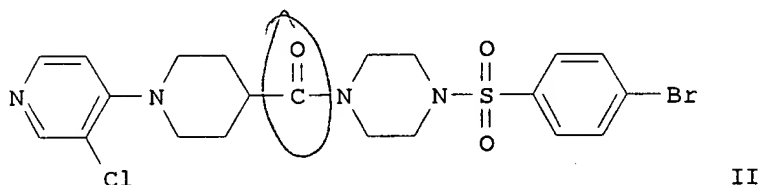
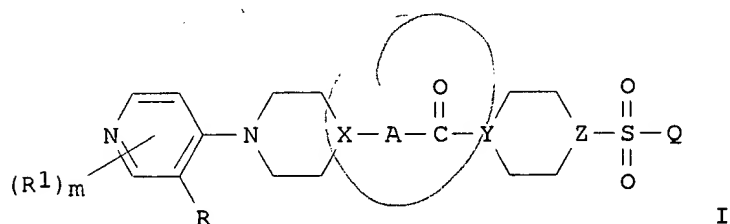
NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT,
 UA, UG, US, UZ, VN, YU, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM
 RW: GH, GM, KE, LS, MW, SD, SZ, UG, ZW, AT, BE, CH, DE, DK, ES, FI,
 FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM,
 GA, GN, ML, MR, NE, SN, TD, TG

AU 9859996 A1 19980908 AU 1998-59996 19980209
 EP 966460 A1 19991229 EP 1998-903174 19980209
 R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,
 IE, FI

ZA 9801177 A 19980813 ZA 1998-1177 19980212
 GB 1997-2946 19970213
 GB 1997-15734 19970726
 GB 1997-19237 19970911
 WO 1998-GB405 19980209

PRIORITY APPLN. INFO.:

OTHER SOURCE(S): MARPAT 129:189344
 GI



AB This invention concerns heterocyclic compds. I [R = halo, cyano, NO₂, CO₂H, alkyl, alkoxy, alkanoyl, alkoxycarbonyl, haloalkyl; R₁ = H, (di)(alkyl)amino, halo, cyano, NO₂, CO₂H, alkyl, alkoxy, alkanoyl, alkylthio, etc.; m = 1 or 2; A = bond or C1-4 alkylene; X, Y = N, CR₂; R₂ = H, alk(en/yn)yl; Z = N, CH; Q = (un)substituted heteroaryl, Ph, naphthyl, etc.; rings contg. X, Y, and Z may be substituted; with several provisos], which are useful for inhibiting oxido-squalene cyclase, processes for their prepn., and pharmaceutical compns. contg. them. The invention is also concerned with such heterocyclic compds. capable of inhibiting cholesterol biosynthesis, and hence lowering cholesterol levels in blood plasma. The invention also relates to methods of using such compds. in diseases and medical conditions such as hypercholesterolemia and atherosclerosis. For instance, chlorination of 1-[(4-bromophenyl)sulfonyl]-4-[[1-(4-pyridyl)piperidin-4-yl]carbonyl]piperazine with N-chlorosuccinimide in MeCN gave title compd. II. The latter gave about 79% inhibition of rat microsomal oxido-squalene cyclase in vitro at 0.01 .mu.M, and likewise gave about 79% inhibition of rat cholesterol biosynthesis in vivo at 2 mg/kg orally. The compds. showed no overt toxicity at several multiples of the min. ID. Several std. pharmaceutical

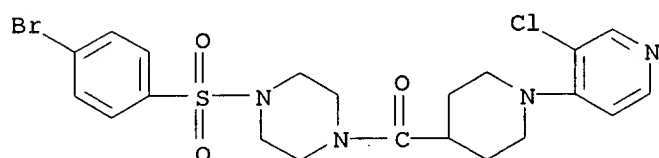
formulations are described.

IT 211819-82-8P 211819-83-9P 211819-84-0P
211819-86-2P 211819-87-3P 211819-88-4P
211819-89-5P 211819-90-8P 211819-95-3P
211819-96-4P

RL: ADV (Adverse effect, including toxicity); BAC (Biological activity or effector, except adverse); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(prepn. of (arylsulfonyl)[(pyridylpiperazinyl)carbonyl]piperazines and analogs as oxido-squalene cyclase inhibitors)

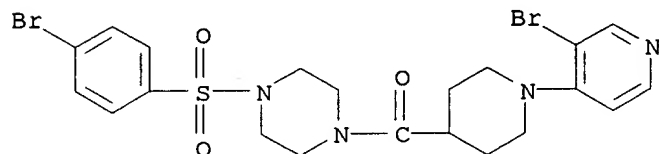
RN 211819-82-8 CAPLUS

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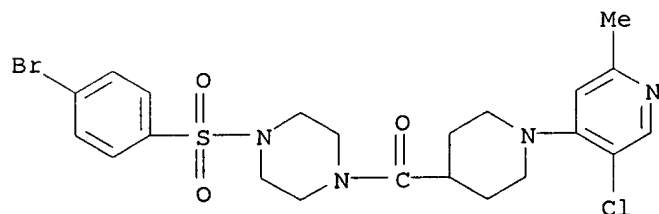
RN 211819-83-9 CAPLUS

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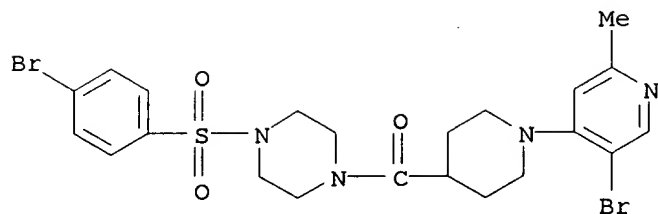
RN 211819-84-0 CAPLUS

CN Piperazine, 1-[(4-bromophenyl)sulfonyl]-4-[[1-(5-chloro-2-methyl-4-pyridinyl)-4-piperidinyl]carbonyl]- (9CI) (CA INDEX NAME)



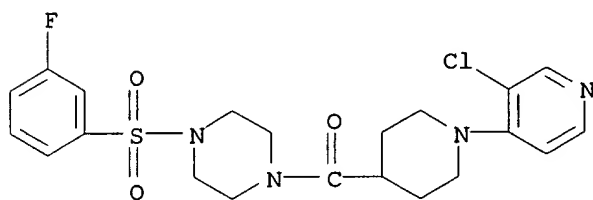
RN 211819-86-2 CAPLUS

CN Piperazine,
1-[[1-(5-bromo-2-methyl-4-pyridinyl)-4-piperidinyl]carbonyl]-4-
[(4-bromophenyl)sulfonyl]- (9CI) (CA INDEX NAME)



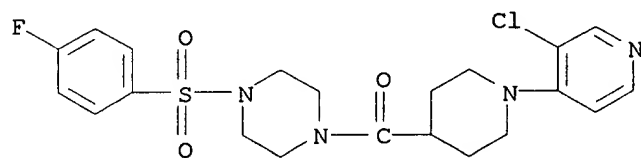
RN 211819-87-3 CAPLUS

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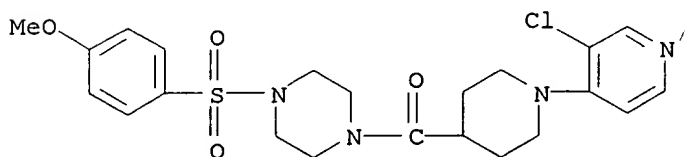
RN 211819-88-4 CAPLUS

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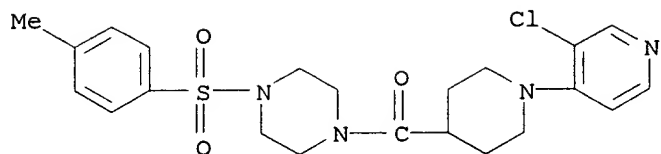
RN 211819-89-5 CAPLUS

CN Piperazine, 1-[[1-(3-chloro-4-pyridinyl)-4-piperidinyl]carbonyl]-4-[(4-methoxyphenyl)sulfonyl]- (9CI) (CA INDEX NAME)



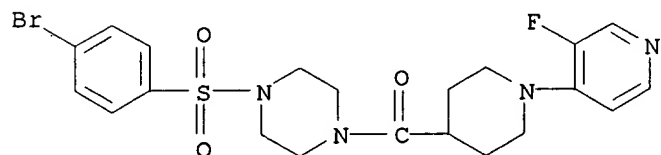
RN 211819-90-8 CAPLUS

CN Piperazine, 1-[[1-(3-chloro-4-pyridinyl)-4-piperidinyl]carbonyl]-4-[(4-methylphenyl)sulfonyl]- (9CI) (CA INDEX NAME)



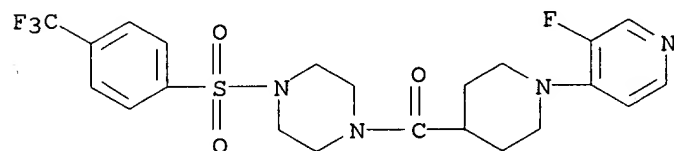
RN 211819-95-3 CAPLUS

CN Piperazine, 1-[(4-bromophenyl)sulfonyl]-4-[[1-(3-fluoro-4-pyridinyl)-4-piperidinyl]carbonyl]- (9CI) (CA INDEX NAME)



RN 211819-96-4 CAPLUS

CN Piperazine, 1-[[1-(3-fluoro-4-pyridinyl)-4-piperidinyl]carbonyl]-4-[[4-(trifluoromethyl)phenyl]sulfonyl]- (9CI) (CA INDEX NAME)



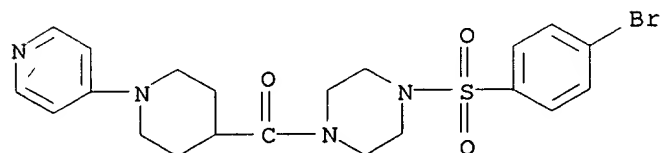
IT 179050-10-3

RL: RCT (Reactant)

(starting material; prepn. of
 (arylsulfonyl)[(pyridylpiperazinyl)carbon
 yl]piperazines and analogs as oxido-squalene cyclase inhibitors)

RN 179050-10-3 CAPLUS

CN Piperazine, 1-[(4-bromophenyl)sulfonyl]-4-[[1-(4-pyridinyl)-4-piperidinyl]carbonyl]- (9CI) (CA INDEX NAME)



L4 ANSWER 5 OF 8 CAPLUS COPYRIGHT 2001 ACS

ACCESSION NUMBER: 1998:126242 CAPLUS

DOCUMENT NUMBER: 128:192661

TITLE: Preparation of
pyrimidinylpiperidinylcarbonylpiperazin
es and related compounds as inhibitors of
oxidosqualene cyclase.

INVENTOR(S): Brown, George Robert; Newcombe, Nicholas John;
Stokes,
Elaine Sophie Elizabeth; Waterson, David

PATENT ASSIGNEE(S): Zeneca Limited, UK; Brown, George Robert; Newcombe,
Nicholas John; Stokes, Elaine Sophie Elizabeth;
Waterson, David

SOURCE: PCT Int. Appl., 91 pp.
CODEN: PIXXD2

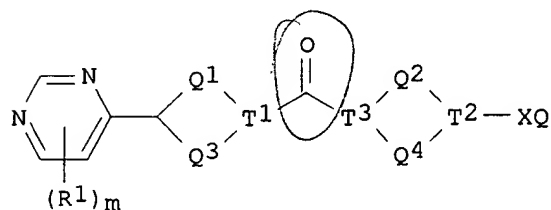
DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9806705	A1	19980219	WO 1997-GB2029	19970725
W:	AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GE, GH, HU, IL, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM			
RW:	GH, KE, LS, MW, SD, SZ, UG, ZW, AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG			
AU 9737017	A1	19980306	AU 1997-37017	19970725
EP 925286	A1	19990630	EP 1997-933774	19970725
R:	AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI			
BR 9711135	A	19990817	BR 1997-11135	19970725
CN 1228087	A	19990908	CN 1997-197282	19970725
JP 2000516602	T2	20001212	JP 1998-509469	19970725
NO 9900663	A	19990412	NO 1999-663	19990212
US 6093718	A	20000725	US 1999-242309	19990212
PRIORITY APPLN. INFO.:			GB 1996-17060	19960814
			GB 1997-3027	19970214
			WO 1997-GB2029	19970725
OTHER SOURCE(S):	MARPAT 128:192661			
GI				



AB Title compds. [I; T1, T3 = N, CR; R = H, alkyl, alkenyl, alkynyl; R1 = H, amino, halo, cyano, alkyl, alkylamino, dialkylamino, alkoxy; m = 1, 2; T2 = CH, N; Q = (substituted) Ph, naphthyl, phenylalkenyl, heteroaryl; Q1 = (CH2)a; Q2 = (CH2)b; Q3 = (CH2)c; Q4 = (CH2)d; X = O, CO, S, SO, SO2,

CH2; a, b = 2, 3; c, d = 1, 2], were prepd. as antihypercholesteremics. Thus, 4-[1-(4-pyrimidinyl)piperazin-4-ylcarbonyl]piperidine in CH2Cl2 was treated with a mixt. of 4-chlorophenylsulfonyl chloride and Et3N in CH2Cl2

under ice cooling followed by stirring for 18 h at room temp. to give 26% 1-(4-chlorophenylsulfonyl)-4-[1-(4-pyrimidinyl)piperazin-4-ylcarbonyl]piperidine. The latter at 5 mg/kg orally in rats gave 72% inhibition of cholesterol biosynthesis.

IT 179050-27-2P 179050-28-3P 179050-48-7P
 179050-49-8P 188526-43-4P 188526-44-5P
 188526-45-6P 188526-46-7P 188526-47-8P
 188526-48-9P 188526-49-0P 188526-50-3P
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 188526-54-7P 188526-55-8P 188526-56-9P
 188526-57-0P 188526-58-1P 188526-59-2P
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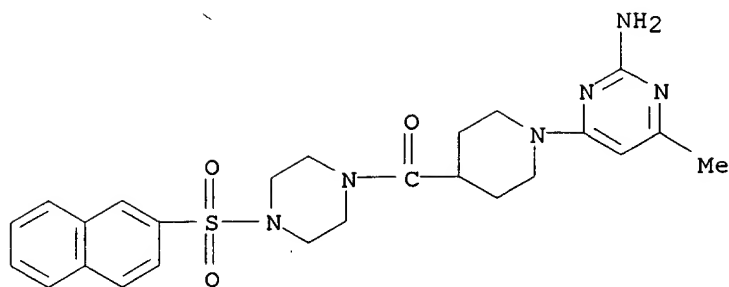
RL: BAC (Biological activity or effector, except adverse); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)

(prepn. of pyrimidinylpiperidinylcarbonylpiperazines and related compds. as inhibitors of oxidosqualene cyclase)

RN 179050-27-2 CAPLUS

CN Piperazine,

1-[[1-(2-amino-6-methyl-4-pyrimidinyl)-4-piperidinyl]carbonyl]-
 4-(2-naphthalenylsulfonyl)- (9CI) (CA INDEX NAME)

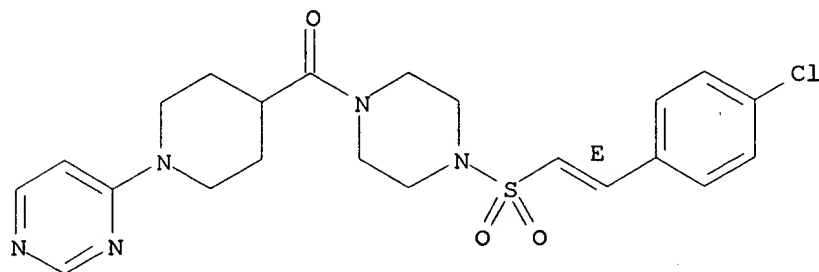


RN 179050-28-3 CAPLUS

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1-[[2-(4-chlorophenyl)ethenyl]sulfonyl]-4-[[1-(4-pyrimidinyl)-4-piperidiny]carbonyl]-, (E)- (9CI) (CA INDEX NAME)

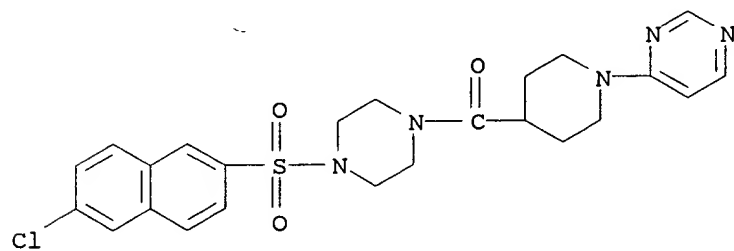
Double bond geometry as shown.



RN 179050-48-7 CAPLUS

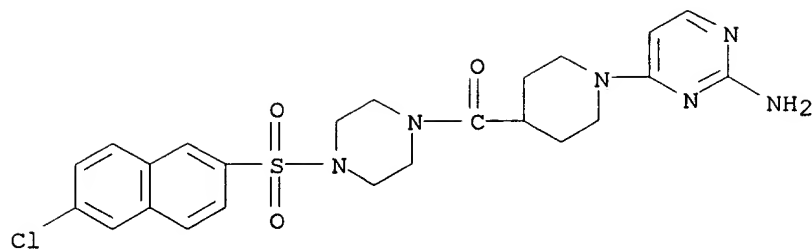
CN Piperazine,

1-[(6-chloro-2-naphthalenyl)sulfonyl]-4-[[1-(4-pyrimidinyl)-4-piperidiny]carbonyl]- (9CI) (CA INDEX NAME)



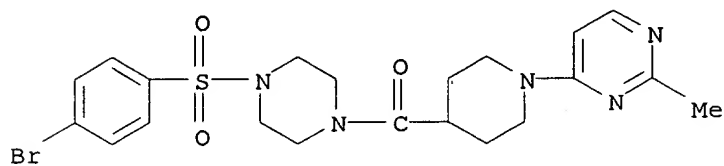
RN 179050-49-8 CAPLUS

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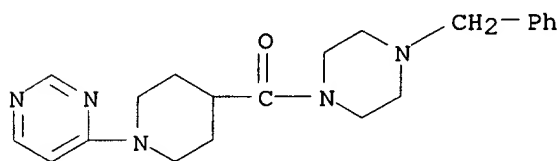
RN 188526-43-4 CAPLUS

CN Piperazine, 1-[(4-bromophenyl)sulfonyl]-4-[[1-(2-methyl-4-pyrimidinyl)-4-piperidinyl]carbonyl]- (9CI) (CA INDEX NAME)



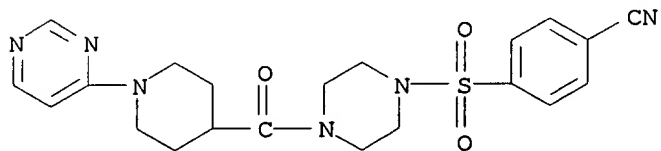
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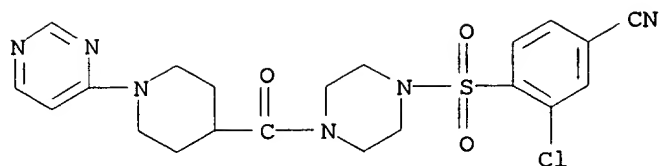
RN 188526-45-6 CAPLUS

CN Piperazine, 1-[(4-cyanophenyl)sulfonyl]-4-[[1-(4-pyrimidinyl)-4-piperidinyl]carbonyl]- (9CI) (CA INDEX NAME)



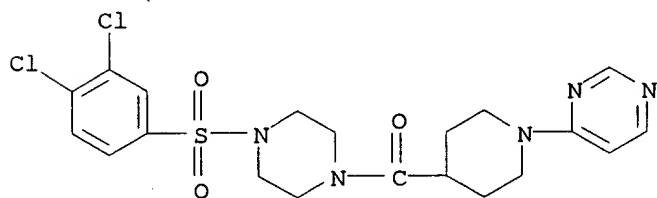
RN 188526-46-7 CAPLUS

CN Piperazine, 1-[(2-chloro-4-cyanophenyl)sulfonyl]-4-[[1-(4-pyrimidinyl)-4-piperidinyl]carbonyl]- (9CI) (CA INDEX NAME)



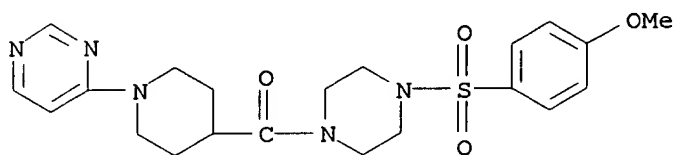
RN 188526-47-8 CAPLUS

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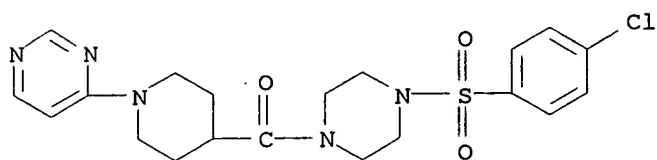
RN 188526-48-9 CAPLUS

CN Piperazine, 1-[(4-methoxyphenyl)sulfonyl]-4-[[1-(4-pyrimidinyl)-4-piperidinyl]carbonyl]- (9CI) (CA INDEX NAME)



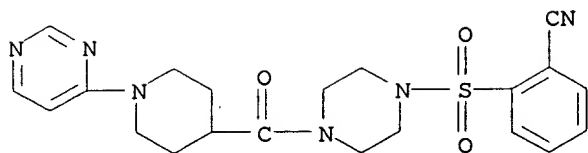
RN 188526-49-0 CAPLUS

CN Piperazine, 1-[(4-chlorophenyl)sulfonyl]-4-[[1-(4-pyrimidinyl)-4-piperidinyl]carbonyl]- (9CI) (CA INDEX NAME)



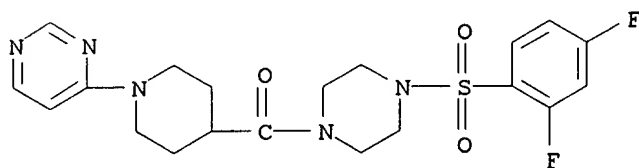
RN 188526-50-3 CAPLUS

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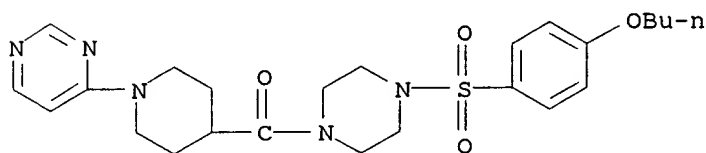
RN 188526-51-4 CAPLUS

CN Piperazine, 1-[(2,4-difluorophenyl)sulfonyl]-4-[[1-(4-pyrimidinyl)-4-piperidinyl]carbonyl]- (9CI) (CA INDEX NAME)



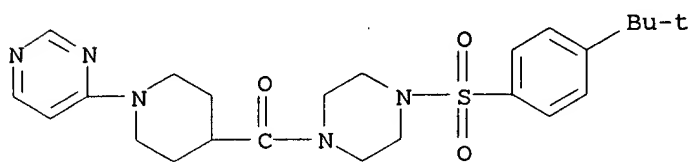
RN 188526-52-5 CAPLUS

CN Piperazine, 1-[(4-butoxyphenyl)sulfonyl]-4-[[1-(4-pyrimidinyl)-4-piperidinyl]carbonyl]- (9CI) (CA INDEX NAME)



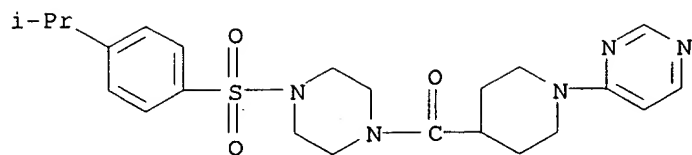
RN 188526-53-6 CAPLUS

CN Piperazine, 1-[[4-(1,1-dimethylethyl)phenyl]sulfonyl]-4-[[1-(4-pyrimidinyl)-4-piperidinyl]carbonyl]- (9CI) (CA INDEX NAME)



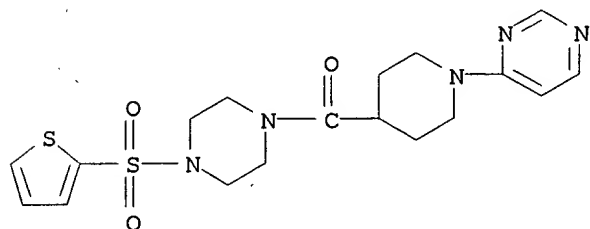
RN 188526-54-7 CAPLUS

CN Piperazine, 1-[[4-(1-methylethyl)phenyl]sulfonyl]-4-[[1-(4-pyrimidinyl)-4-piperidinyl]carbonyl]- (9CI) (CA INDEX NAME)



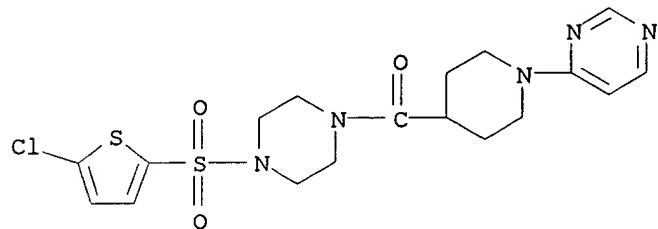
RN 188526-55-8 CAPLUS

CN Piperazine, 1-[[1-(4-pyrimidinyl)-4-piperidinyl]carbonyl]-4-(2-thienylsulfonyl)- (9CI) (CA INDEX NAME)



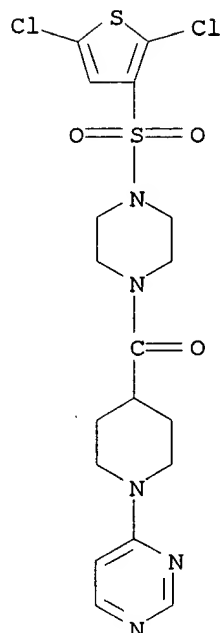
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CN Piperazine, 1-[(5-chloro-2-thienyl)sulfonyl]-4-[[1-(4-pyrimidinyl)-4-piperidinyl]carbonyl]- (9CI) (CA INDEX NAME)



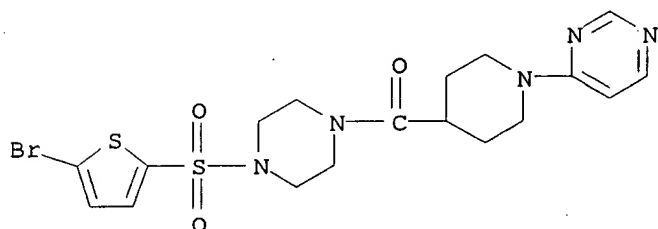
RN 188526-57-0 CAPLUS

CN Piperazine, 1-[(2,5-dichloro-3-thienyl)sulfonyl]-4-[[1-(4-pyrimidinyl)-4-piperidinyl]carbonyl]- (9CI) (CA INDEX NAME)



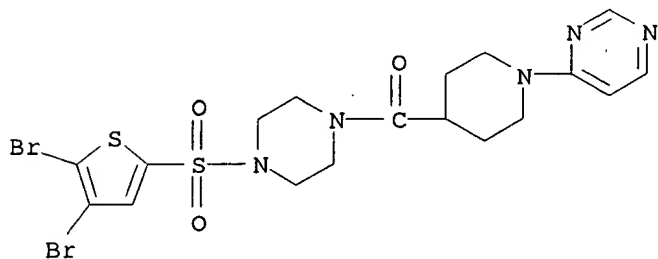
RN 188526-58-1 CAPLUS

CN Piperazine, 1-[(5-bromo-2-thienyl)sulfonyl]-4-[[1-(4-pyrimidinyl)-4-piperidinyl]carbonyl]- (9CI) (CA INDEX NAME)



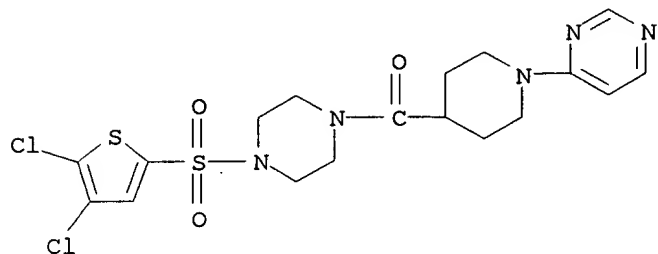
RN 188526-59-2 CAPLUS

CN Piperazine, 1-[(4,5-dibromo-2-thienyl)sulfonyl]-4-[[1-(4-pyrimidinyl)-4-piperidinyl]carbonyl]- (9CI) (CA INDEX NAME)



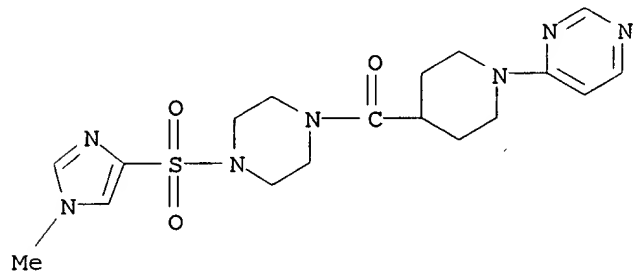
RN 188526-60-5 CAPLUS

CN Piperazine, 1-[(4,5-dichloro-2-thienyl)sulfonyl]-4-[[1-(4-pyrimidinyl)-4-piperidinyl]carbonyl]- (9CI) (CA INDEX NAME)



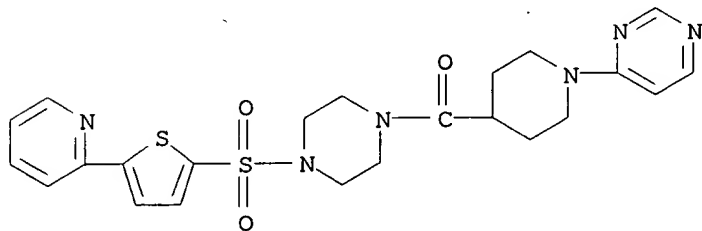
RN 188526-61-6 CAPLUS

CN Piperazine, 1-[(1-methyl-1H-imidazol-4-yl)sulfonyl]-4-[[1-(4-pyrimidinyl)-4-piperidinyl]carbonyl]- (9CI) (CA INDEX NAME)



RN 188526-62-7 CAPLUS

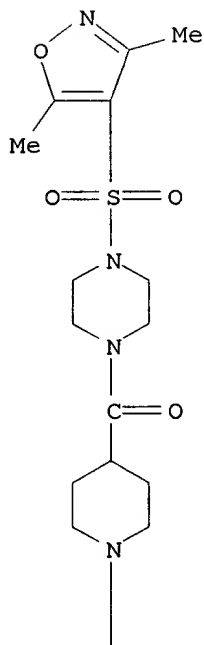
CN Piperazine, 1-[[5-(2-pyridinyl)-2-thienyl)sulfonyl]-4-[[1-(4-pyrimidinyl)-4-piperidinyl]carbonyl]- (9CI) (CA INDEX NAME)



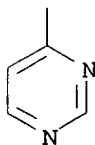
RN 188526-63-8 CAPLUS

CN Piperazine, 1-[(3,5-dimethyl-4-isoxazolyl)sulfonyl]-4-[[1-(4-pyrimidinyl)-4-piperidinyl]carbonyl]- (9CI) (CA INDEX NAME)

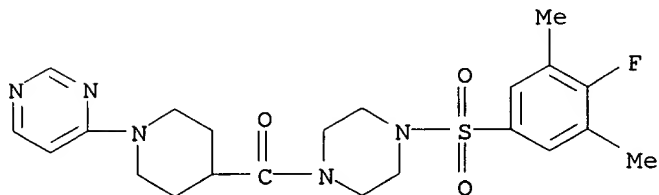
PAGE 1-A



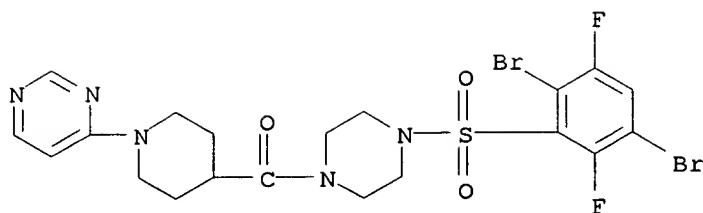
PAGE 2-A



RN 188526-65-0 CAPLUS
 CN Piperazine, 1-[(4-fluoro-3,5-dimethylphenyl)sulfonyl]-4-[[1-(4-pyrimidinyl)-4-piperidinyl]carbonyl]- (9CI) (CA INDEX NAME)

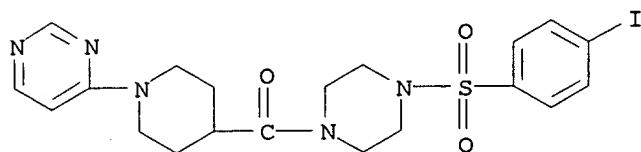


RN 188526-66-1 CAPLUS
 CN Piperazine, 1-[(3,6-dibromo-2,5-difluorophenyl)sulfonyl]-4-[[1-(4-pyrimidinyl)-4-piperidinyl]carbonyl]- (9CI) (CA INDEX NAME)



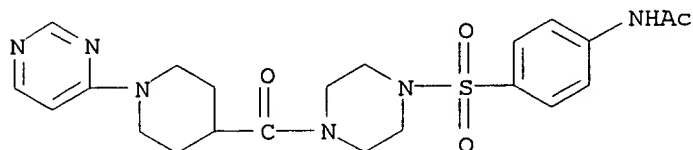
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CN Piperazine, 1-[(4-iodophenyl)sulfonyl]-4-[[1-(4-pyrimidinyl)-4-piperidinyl]carbonyl]- (9CI) (CA INDEX NAME)



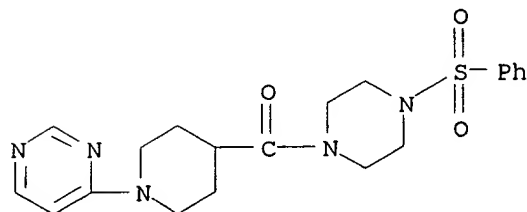
RN 188526-68-3 CAPLUS

CN Acetamide, N-[4-[[4-[[1-(4-pyrimidinyl)-4-piperidinyl]carbonyl]-1-piperazinyl]sulfonyl]phenyl]- (9CI) (CA INDEX NAME)



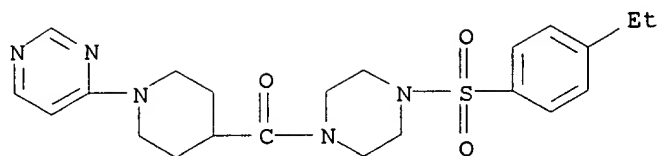
RN 188526-69-4 CAPLUS

CN Piperazine, 1-(phenylsulfonyl)-4-[[1-(4-pyrimidinyl)-4-piperidinyl]carbonyl]- (9CI) (CA INDEX NAME)



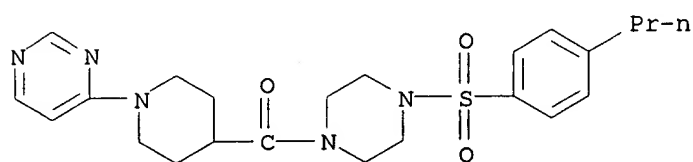
RN 188526-70-7 CAPLUS

CN Piperazine, 1-[(4-ethylphenyl)sulfonyl]-4-[[1-(4-pyrimidinyl)-4-piperidinyl]carbonyl]- (9CI) (CA INDEX NAME)



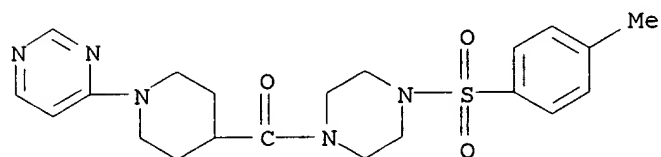
RN 188526-71-8 CAPLUS

CN Piperazine, 1-[(4-propylphenyl)sulfonyl]-4-[[1-(4-pyrimidinyl)-4-piperidinyl]carbonyl]- (9CI) (CA INDEX NAME)



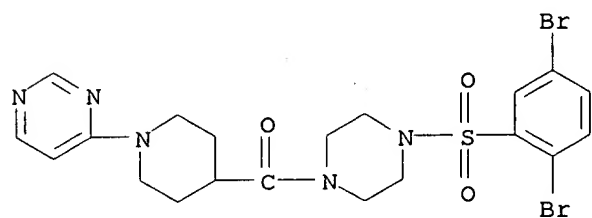
RN 188526-76-3 CAPLUS

CN Piperazine, 1-[(4-methylphenyl)sulfonyl]-4-[[1-(4-pyrimidinyl)-4-piperidinyl]carbonyl]- (9CI) (CA INDEX NAME)



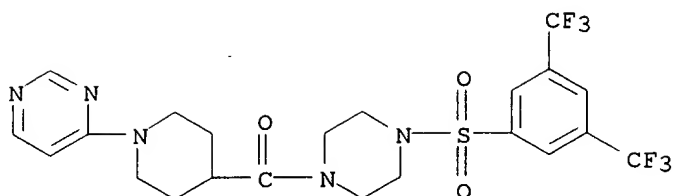
RN 188526-77-4 CAPLUS

CN Piperazine, 1-[(2,5-dibromophenyl)sulfonyl]-4-[[1-(4-pyrimidinyl)-4-piperidinyl]carbonyl]- (9CI) (CA INDEX NAME)



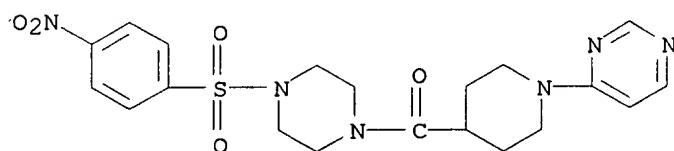
RN 188526-78-5 CAPLUS

CN Piperazine, 1-[[3,5-bis(trifluoromethyl)phenyl]sulfonyl]-4-[[1-(4-pyrimidinyl)-4-piperidinyl]carbonyl]- (9CI) (CA INDEX NAME)



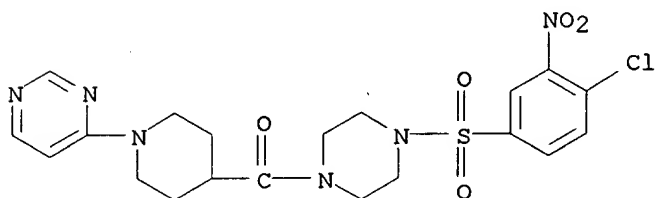
RN 188526-79-6 CAPLUS

CN Piperazine, 1-[(4-nitrophenyl)sulfonyl]-4-[[1-(4-pyrimidinyl)-4-piperidinyl]carbonyl]- (9CI) (CA INDEX NAME)



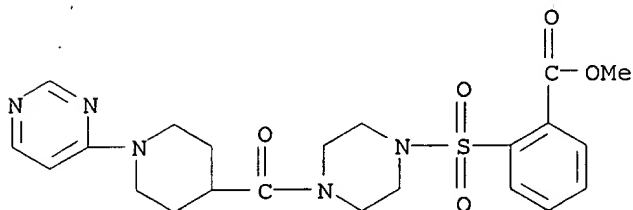
RN 188526-80-9 CAPLUS

CN Piperazine, 1-[(4-chloro-3-nitrophenyl)sulfonyl]-4-[[1-(4-pyrimidinyl)-4-piperidinyl]carbonyl]- (9CI) (CA INDEX NAME)



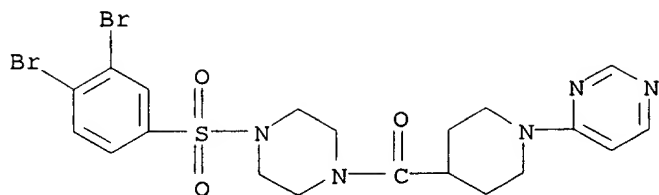
RN 188526-81-0 CAPLUS

CN Benzoic acid, 2-[[4-[[1-(4-pyrimidinyl)-4-piperidinyl]carbonyl]-1-piperazinyl]sulfonyl]-, methyl ester (9CI) (CA INDEX NAME)



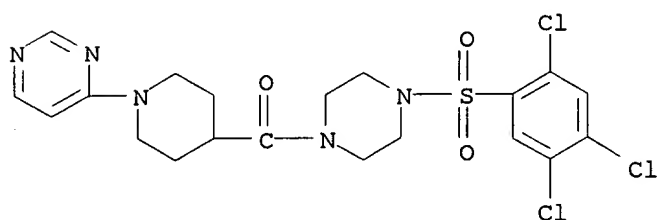
RN 188526-82-1 CAPLUS

CN Piperazine, 1-[(3,4-dibromophenyl)sulfonyl]-4-[[1-(4-pyrimidinyl)-4-piperidinyl]carbonyl]- (9CI) (CA INDEX NAME)



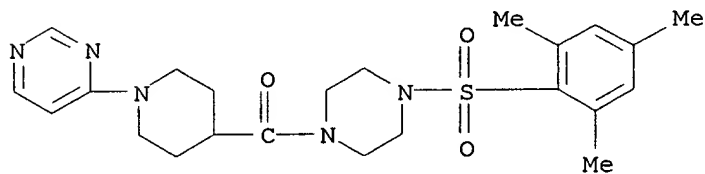
RN 188526-83-2 CAPLUS

CN Piperazine, 1-[[[1-(4-pyrimidinyl)-4-piperidinyl]carbonyl]-4-[(2,4,5-trichlorophenyl)sulfonyl]- (9CI) (CA INDEX NAME)



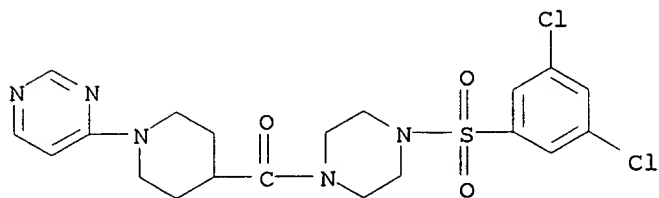
RN 188526-84-3 CAPLUS

CN Piperazine, 1-[[[1-(4-pyrimidinyl)-4-piperidinyl]carbonyl]-4-[(2,4,6-trimethylphenyl)sulfonyl]- (9CI) (CA INDEX NAME)



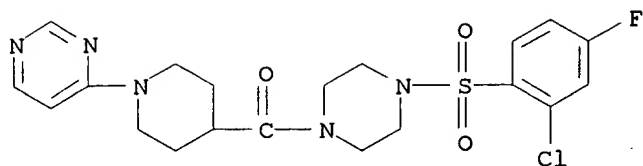
RN 188526-85-4 CAPLUS

CN Piperazine, 1-[(3,5-dichlorophenyl)sulfonyl]-4-[[[1-(4-pyrimidinyl)-4-piperidinyl]carbonyl]- (9CI) (CA INDEX NAME)



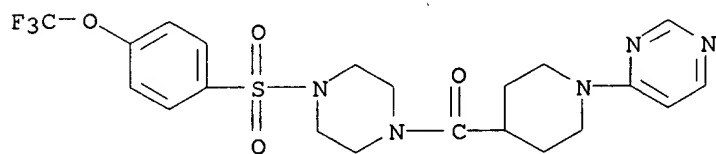
RN 188526-86-5 CAPLUS

CN Piperazine, 1-[(2-chloro-4-fluorophenyl)sulfonyl]-4-[[[1-(4-pyrimidinyl)-4-piperidinyl]carbonyl]- (9CI) (CA INDEX NAME)



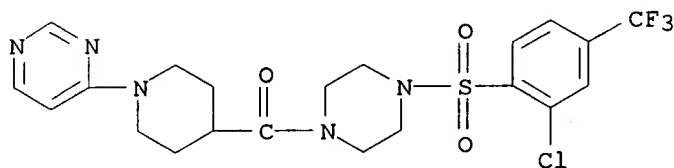
RN 188526-87-6 CAPLUS

CN Piperazine, 1-[[1-(4-pyrimidinyl)-4-piperidinyl]carbonyl]-4-[[4-(trifluoromethoxy)phenyl]sulfonyl]- (9CI) (CA INDEX NAME)



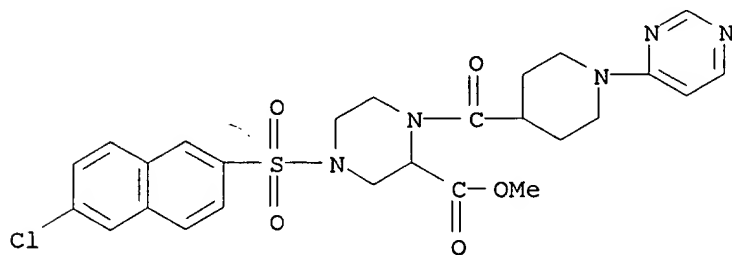
RN 188526-88-7 CAPLUS

CN Piperazine, 1-[[2-chloro-4-(trifluoromethyl)phenyl]sulfonyl]-4-[[1-(4-pyrimidinyl)-4-piperidinyl]carbonyl]- (9CI) (CA INDEX NAME)



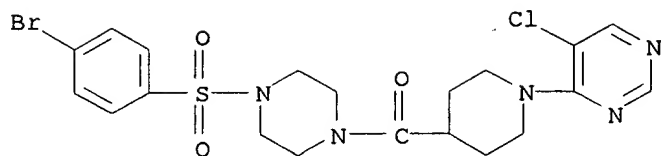
RN 188526-89-8 CAPLUS

CN 2-Piperazinecarboxylic acid, 4-[(6-chloro-2-naphthalenyl)sulfonyl]-1-[[1-(4-pyrimidinyl)-4-piperidinyl]carbonyl]-, methyl ester (9CI) (CA INDEX NAME)



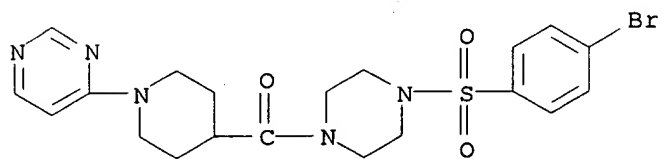
RN 188526-93-4 CAPLUS

CN Piperazine, 1-[[4-bromophenyl]sulfonyl]-4-[[1-(5-chloro-4-pyrimidinyl)-4-piperidinyl]carbonyl]- (9CI) (CA INDEX NAME)



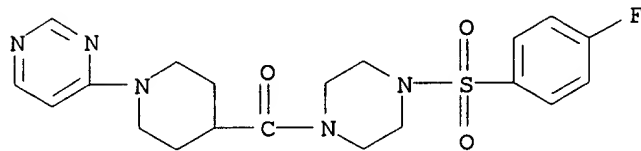
RN 188526-95-6 CAPLUS

CN Piperazine, 1-[(4-bromophenyl)sulfonyl]-4-[[1-(4-pyrimidinyl)-4-piperidiny]carbonyl]- (9CI) (CA INDEX NAME)



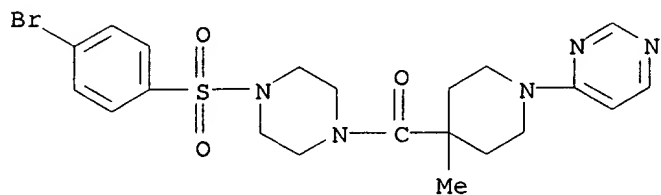
RN 188526-96-7 CAPLUS

CN Piperazine, 1-[(4-fluorophenyl)sulfonyl]-4-[[1-(4-pyrimidinyl)-4-piperidiny]carbonyl]- (9CI) (CA INDEX NAME)



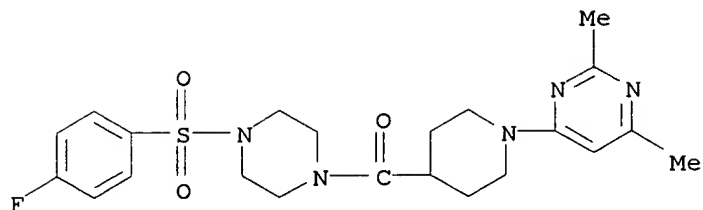
RN 203522-46-7 CAPLUS

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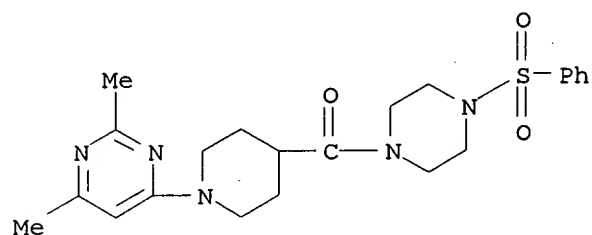
RN 203522-48-9 CAPLUS

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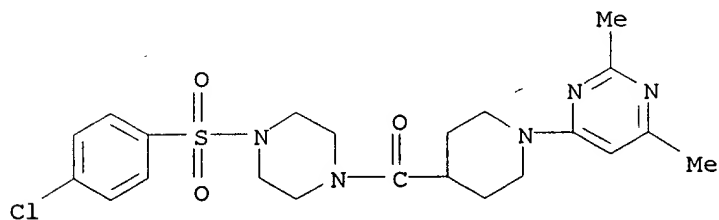
RN 203522-51-4 CAPLUS

CN Piperazine, 1-[[1-(2,6-dimethyl-4-pyrimidinyl)-4-piperidinyl]carbonyl]-4-(phenylsulfonyl)- (9CI) (CA INDEX NAME)



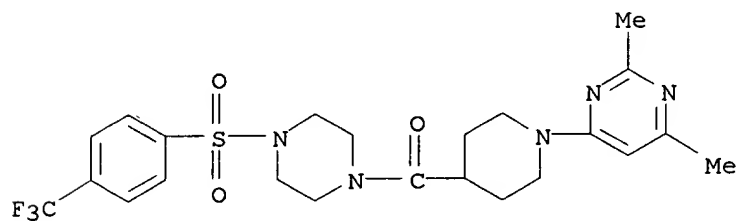
RN 203522-53-6 CAPLUS

CN Piperazine, 1-[(4-chlorophenyl)sulfonyl]-4-[[1-(2,6-dimethyl-4-pyrimidinyl)-4-piperidinyl]carbonyl]- (9CI) (CA INDEX NAME)



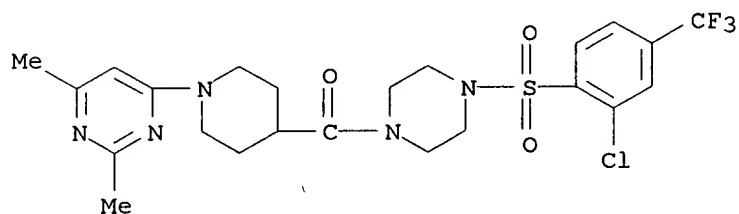
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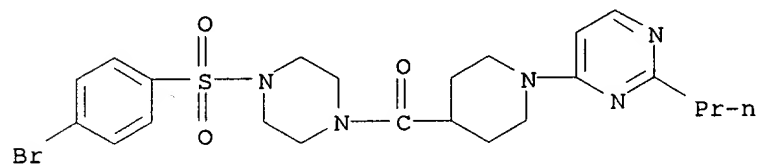
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CN Piperazine, 1-[[2-chloro-4-(trifluoromethyl)phenyl]sulfonyl]-4-[[1-(2,6-dimethyl-4-pyrimidinyl)-4-piperidinyl]carbonyl]- (9CI) (CA INDEX NAME)



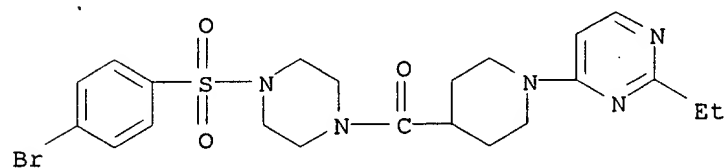
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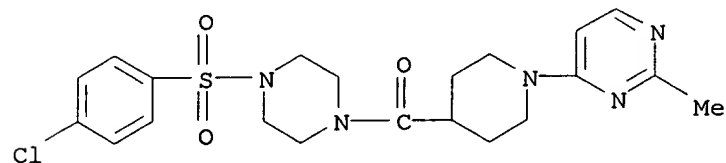
RN 203522-79-6 CAPLUS

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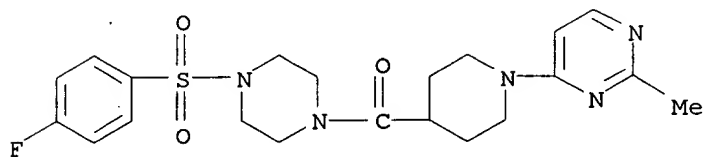
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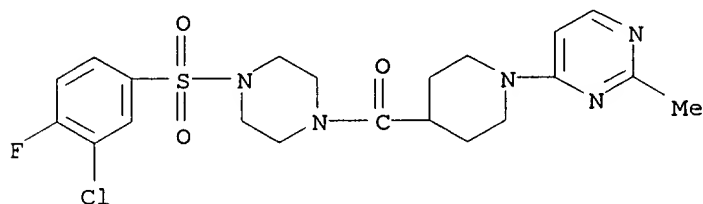


RN 203522-81-0 CAPLUS

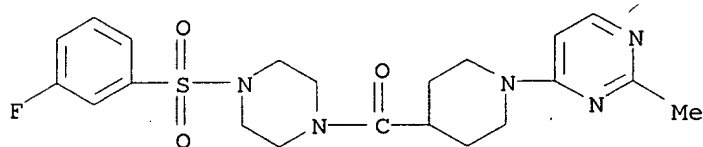
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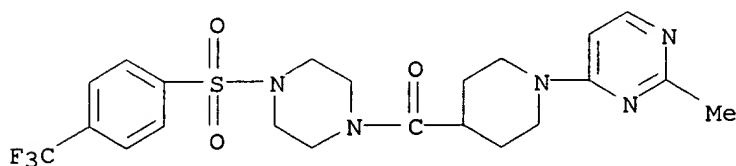
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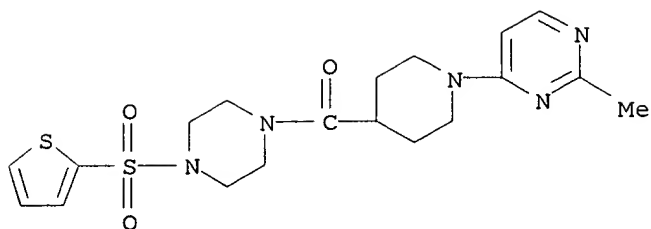
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CN Piperazine,
1-[(3-fluorophenyl)sulfonyl]-4-[[1-(2-methyl-4-pyrimidinyl)-4-piperidinyl]carbonyl]- (9CI) (CA INDEX NAME)



RN 203522-87-6 CAPLUS
CN Piperazine, 1-[[1-(2-methyl-4-pyrimidinyl)-4-piperidinyl]carbonyl]-4-[[4-(trifluoromethyl)phenyl]sulfonyl]- (9CI) (CA INDEX NAME)

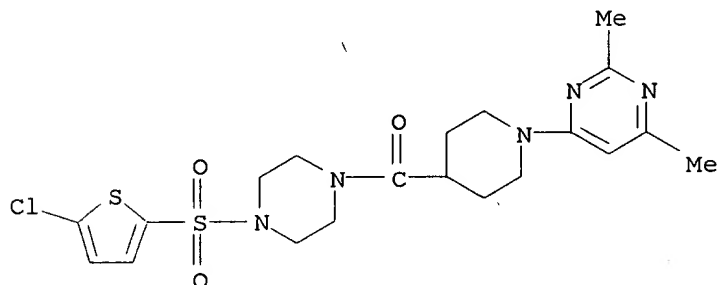


RN 203522-89-8 CAPLUS
CN Piperazine, 1-[[1-(2-methyl-4-pyrimidinyl)-4-piperidinyl]carbonyl]-4-(2-thienylsulfonyl)- (9CI) (CA INDEX NAME)



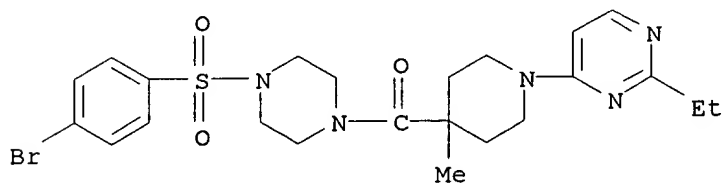
RN 203522-93-4 CAPLUS

CN Piperazine, 1-[(5-chloro-2-thienyl)sulfonyl]-4-[[1-(2,6-dimethyl-4-pyrimidinyl)-4-piperidinyl]carbonyl]- (9CI) (CA INDEX NAME)



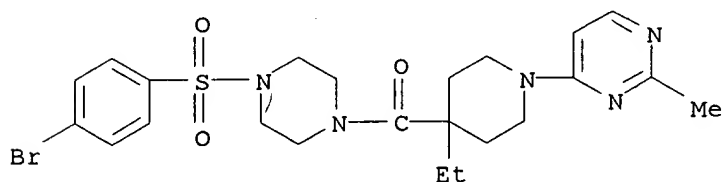
RN 203522-96-7 CAPLUS

CN Piperazine, 1-[(4-bromophenyl)sulfonyl]-4-[[1-(2-ethyl-4-pyrimidinyl)-4-methyl-4-piperidinyl]carbonyl]- (9CI) (CA INDEX NAME)



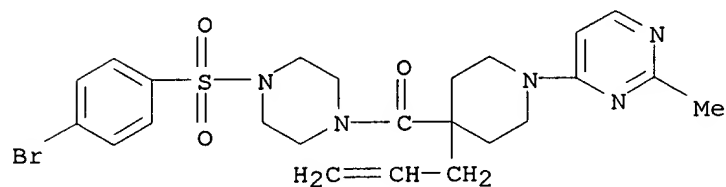
RN 203522-97-8 CAPLUS

CN Piperazine, 1-[(4-bromophenyl)sulfonyl]-4-[[4-ethyl-1-(2-methyl-4-pyrimidinyl)-4-piperidinyl]carbonyl]- (9CI) (CA INDEX NAME)



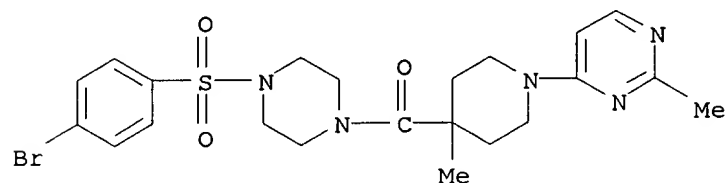
RN 203522-98-9 CAPLUS

CN Piperazine, 1-[(4-bromophenyl)sulfonyl]-4-[[1-(2-methyl-4-pyrimidinyl)-4-(2-propenyl)-4-piperidinyl]carbonyl]- (9CI) (CA INDEX NAME)



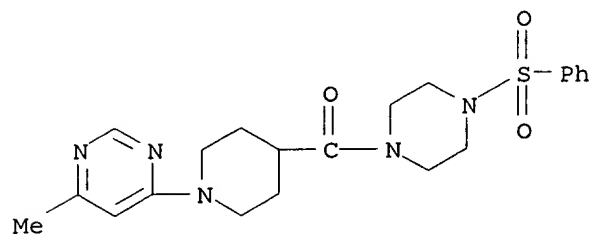
RN 203523-00-6 CAPLUS

CN Piperazine, 1-[(4-bromophenyl)sulfonyl]-4-[[4-methyl-1-(2-methyl-4-pyrimidinyl)-4-piperidinyl]carbonyl]- (9CI) (CA INDEX NAME)



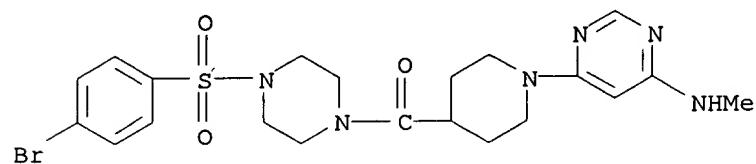
RN 203523-02-8 CAPLUS

CN Piperazine, 1-[[1-(6-methyl-4-pyrimidinyl)-4-piperidinyl]carbonyl]-4-(phenylsulfonyl)- (9CI) (CA INDEX NAME)



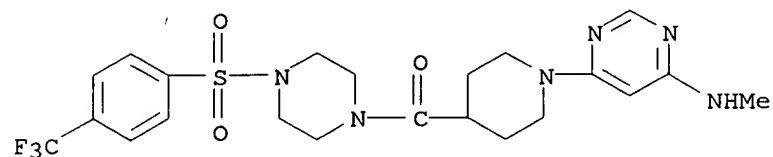
RN 203523-05-1 CAPLUS

CN Piperazine, 1-[(4-bromophenyl)sulfonyl]-4-[[1-[6-(methylamino)-4-pyrimidinyl]-4-piperidinyl]carbonyl]- (9CI) (CA INDEX NAME)



RN 203523-06-2 CAPLUS

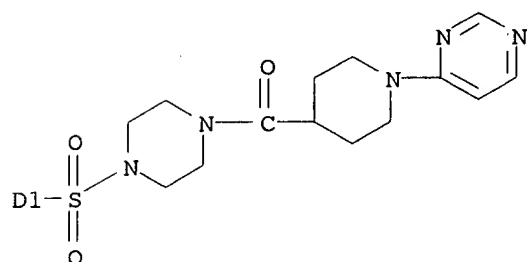
CN Piperazine,

1-[[1-[6-(methylamino)-4-pyrimidinyl]-4-piperidinyl]carbonyl]-
4-[[4-(trifluoromethyl)phenyl]sulfonyl]- (9CI) (CA INDEX NAME)

RN 203574-71-4 CAPLUS

CN Piperazine,

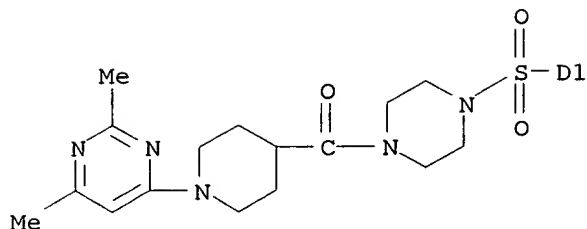
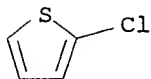
1-[[1-(4-pyrimidinyl)-4-piperidinyl]carbonyl]-4-[[2,2,2-trifluoroethyl]phenyl]sulfonyl]- (9CI) (CA INDEX NAME)

F₃C-CH₂-D1

RN 203574-72-5 CAPLUS

CN Piperazine,

1-[[1-(2-chlorothieryl)sulfonyl]-4-[[1-(2,6-dimethyl-4-pyrimidinyl)-4-piperidinyl]carbonyl]- (9CI) (CA INDEX NAME)

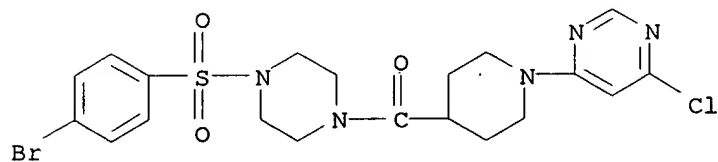


IT 203520-91-6P 203520-93-8P

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation)
(prepn. of pyrimidinylpiperidinylcarbonylpiperazines and related
comps. as inhibitors of oxidosqualene cyclase)

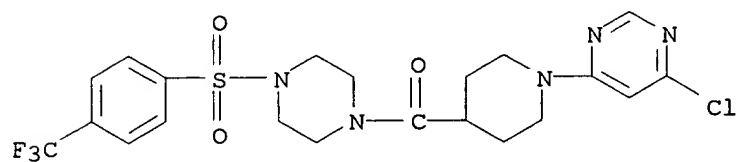
RN 203520-91-6 CAPLUS

CN Piperazine, 1-[(4-bromophenyl)sulfonyl]-4-[[1-(6-chloro-4-pyrimidinyl)-4-piperidinyl]carbonyl]- (9CI) (CA INDEX NAME)



RN 203520-93-8 CAPLUS

CN Piperazine, 1-[[1-(6-chloro-4-pyrimidinyl)-4-piperidinyl]carbonyl]-4-[[4-(trifluoromethyl)phenyl]sulfonyl]- (9CI) (CA INDEX NAME)



L4 ANSWER 6 OF 8 CAPLUS COPYRIGHT 2001 ACS

ACCESSION NUMBER: 1997:542445 CAPLUS

DOCUMENT NUMBER: 127:234328

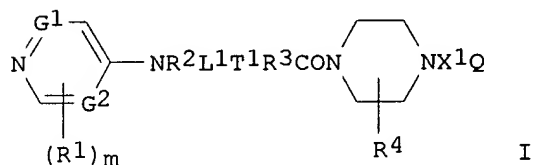
TITLE: Preparation of pyrimidinylpiperidinylcarbonylpiperazines
and related compounds as
antithrombotics/anticoagulant

INVENTOR(S): s.
Faull, Alan Wellington

PATENT ASSIGNEE(S): Zeneca Ltd., UK; Faull, Alan Wellington
 SOURCE: PCT Int. Appl., 46 pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

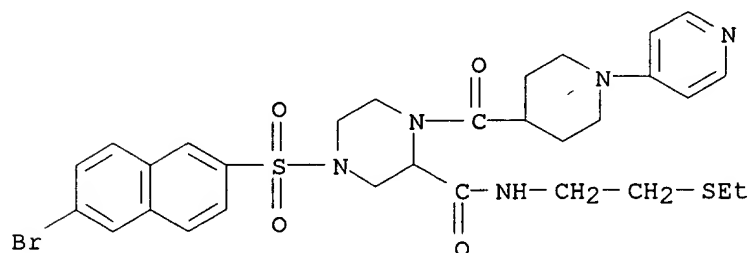
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9729104	A1	19970814	WO 1997-GB270	19970131
W: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GE, HU, IL, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, TJ, TM, TR, TT, UA, UG, US, UZ, VN, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM RW: KE, LS, MW, SD, SZ, UG, AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG				
AU 9715534	A1	19970828	AU 1997-15534	19970131
EP 880516	A1	19981202	EP 1997-901728	19970131
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO				
JP 2000504682	T2	20000418	JP 1997-528261	19970131
US 6022869	A	20000208	US 1998-117673	19980804
PRIORITY APPLN. INFO.:			GB 1996-2294	19960205
			WO 1997-GB270	19970131

OTHER SOURCE(S): MARPAT 127:234328
 GI

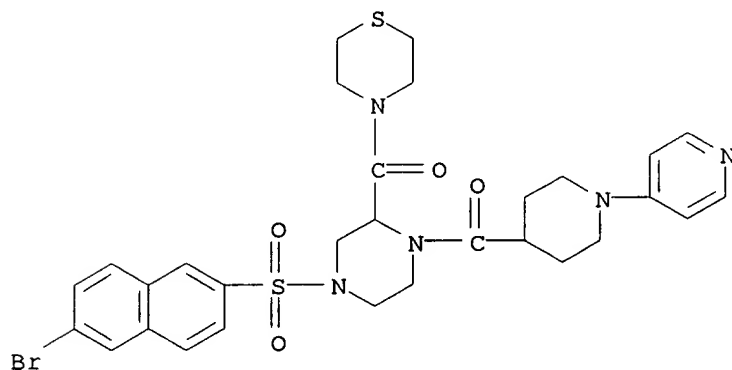


AB Title compds. [I; T1, G1, G2 = CH, N; R1 = halo, CF3, OCF3, cyano, amino, OH, NO2, alkyl, alkoxy; L1 = (substituted) alkylene, 1,2-cycloalkylene, alkylencarbonyl; R2, R3 = H, alkyl; R2R3 = (substituted) alkylene, methylenecarbonyl; R4 = CONR7(CH2)nSOPR8, CONH(CH2)qNR9R10, AY1; R7 = H; R8 = alkyl, Ph, phenylalkyl; R7R8 = alkylene; R9, R10 = H, alkyl, Ph, alkylphenyl, SOPR8, heteroaryl, COR11; R11 = H, alkyl, Ph, alkylphenyl; R14-R16 = H, alkyl; A = alkylene; Y1 = SOPR8, NHSO2R8, pyrrolidin-1-yl, piperidino, morpholino, piperazin-1-yl, etc.; m, p = 0-2; q = 2-4; X1 = O, S, SO, SO2, CO, CO2, CONR14, CR15R16; Q = (substituted) Ph, naphthyl, phenylalkyl, heterocyclyl], were prepd. Thus, 4-(6-bromonaphth-2-ylsulfonyl)-2-carboxy-1-[1-(4-pyridyl)piperidin-4-ylcarbonyl]piperazine (prepn. given) in DMF was treated with N-3-dimethylaminopropyl-N-ethylcarbodiimide, 1-hydroxybenzotriazole, and 2-(ethylthio)amine in DMF to give 44% 4-(6-bromonaphth-2-ylsulfonyl)-2-[N-2-(ethylthioethyl)carbamoyl]-1-[1-(4-pyridyl)piperidin-4-ylcarbonyl]piperazine. The latter inhibited Factor Xa with IC50 = 0.004

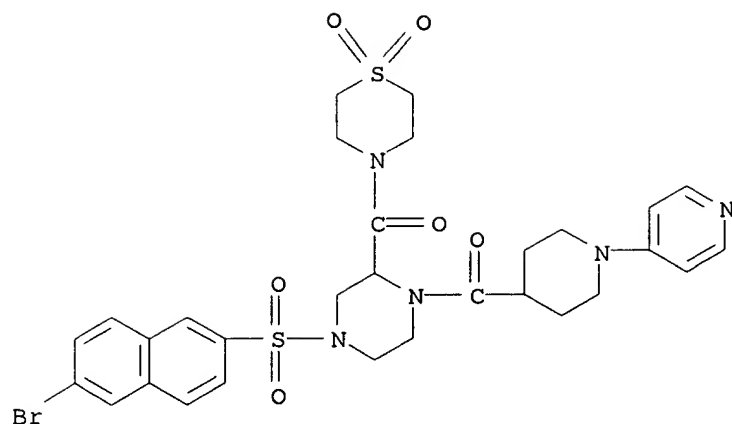
.mu.M.
 IT 195153-83-4P 195153-84-5P 195153-85-6P
 195153-86-7P 195153-87-8P
 RL: BAC (Biological activity or effector, except adverse); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
 (prepn. of pyridylpiperidinylcarbonylpiperazines and related compds.
 as antithrombotics/anticoagulants)
 RN 195153-83-4 CAPLUS
 CN 2-Piperazinecarboxamide, 4-[(6-bromo-2-naphthalenyl)sulfonyl]-N-[2-(ethylthio)ethyl]-1-[[1-(4-pyridinyl)-4-piperidinyl]carbonyl]- (9CI) (CA INDEX NAME)



RN 195153-84-5 CAPLUS
 CN Thiomorpholine, 4-[[4-[(6-bromo-2-naphthalenyl)sulfonyl]-1-[[1-(4-pyridinyl)-4-piperidinyl]carbonyl]-2-piperazinyl]carbonyl]- (9CI) (CA INDEX NAME)

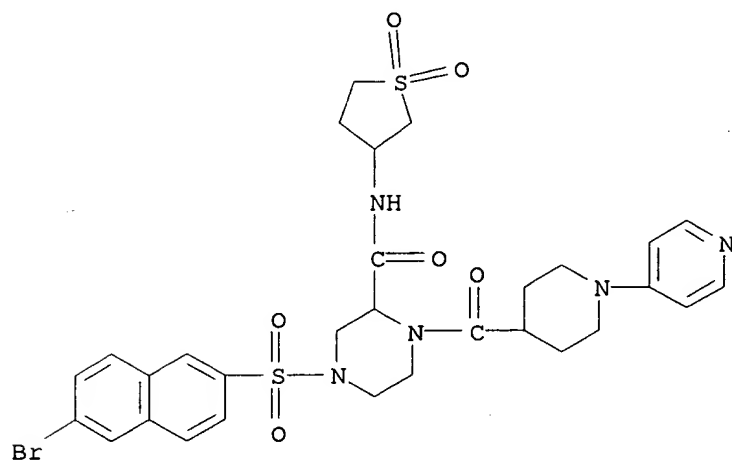


RN 195153-85-6 CAPLUS
 CN Thiomorpholine, 4-[[4-[(6-bromo-2-naphthalenyl)sulfonyl]-1-[[1-(4-pyridinyl)-4-piperidinyl]carbonyl]-2-piperazinyl]carbonyl]-, 1,1-dioxide (9CI) (CA INDEX NAME)



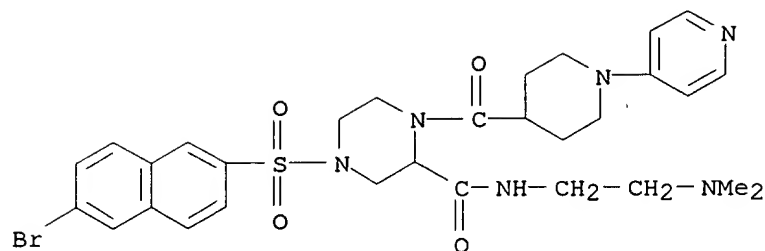
RN 195153-86-7 CAPLUS

CN 2-Piperazinecarboxamide, 4-[(6-bromo-2-naphthalenyl)sulfonyl]-1-[[1-(4-pyridinyl)-4-piperidinyl]carbonyl]-N-(tetrahydro-1,1-dioxido-3-thienyl)- (9CI) (CA INDEX NAME)



RN 195153-87-8 CAPLUS

CN 2-Piperazinecarboxamide, 4-[(6-bromo-2-naphthalenyl)sulfonyl]-N-[2-(dimethylamino)ethyl]-1-[[1-(4-pyridinyl)-4-piperidinyl]carbonyl]- (9CI) (CA INDEX NAME)



IT 179050-61-4P 179050-62-5P

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation)
 (prepn. of pyridylpiperidinylcarbonylpiperazines and related compds.)

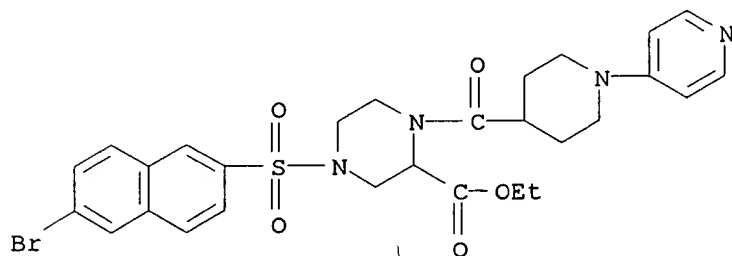
as

antithrombotics/anticoagulants)

RN 179050-61-4 CAPLUS

CN 2-Piperazinecarboxylic acid,

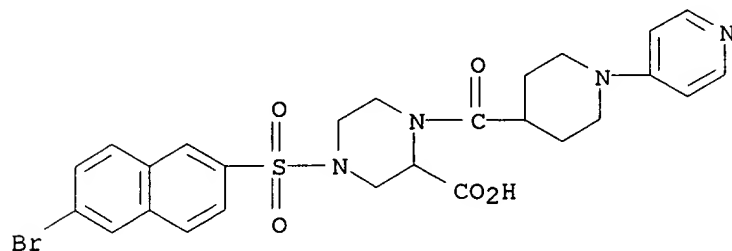
4-[(6-bromo-2-naphthalenyl)sulfonyl]-1-[[1-(4-pyridinyl)-4-piperidinyl]carbonyl]-, ethyl ester (9CI) (CA INDEX NAME)



RN 179050-62-5 CAPLUS

CN 2-Piperazinecarboxylic acid,

4-[(6-bromo-2-naphthalenyl)sulfonyl]-1-[[1-(4-pyridinyl)-4-piperidinyl]carbonyl]- (9CI) (CA INDEX NAME)



L4 ANSWER 7 OF 8 CAPLUS COPYRIGHT 2001 ACS

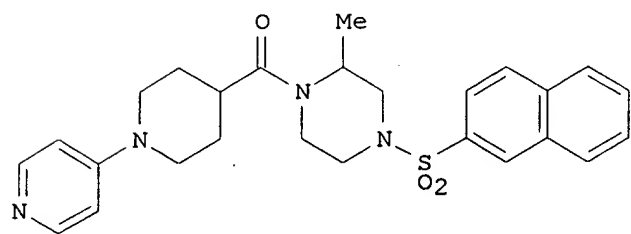
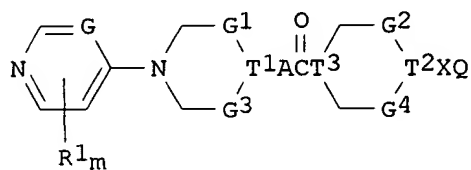
ACCESSION NUMBER: 1997:259776 CAPLUS

DOCUMENT NUMBER: 126:238391

TITLE: Preparation of (di)azinyldicarbonyl(di)azines as

oxidosqualene cyclase inhibitors
 INVENTOR(S): Brown, George Robert; Stokes, Elaine Sophie
 Elisabeth;
 WATERSON, David; WOOD, Robin
 PATENT ASSIGNEE(S): Zeneca Limited, UK; Brown, George Robert; Stokes,
 Elaine Sophie Elisabeth; Waterson, David; Wood, Robin
 SOURCE: PCT Int. Appl., 88 pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9706802	A1	19970227	WO 1996-GB1985	19960814
W: AL, AM, AT, AU, AZ, BB, BG, BR, BY, CA, CH, CN, CZ, DE, DK, EE, ES, FI, GB, GE, HU, IL, IS, JP, KE, KG, KP, KR, KZ, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, TJ, TM, TR, TT, UA, UG, US, UZ, VN, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RW: KE, LS, MW, SD, SZ, UG, AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA				
CA 2226735	AA	19970227	CA 1996-2226735	19960814
AU 9667485	A1	19970312	AU 1996-67485	19960814
EP 844877	A1	19980603	EP 1996-927782	19960814
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI				
CN 1193276	A	19980916	CN 1996-196278	19960814
JP 11511161	T2	19990928	JP 1996-509050	19960814
US 6090813	A	20000718	US 1998-11718	19980213
PRIORITY APPLN. INFO.:			GB 1995-16709	19950815
			WO 1996-GB1985	19960814
OTHER SOURCE(S):			MARPAT 126:238391	
GI				



AB Title compds. [I; A = bond or alkylene; G, T1-T3 = CH or N (T2 .noteq. T3 = CH); Q = cycloalkyl, heterocyclyl, phenyl(alkyl), etc.; R1 = H, halo, NH2, cyano, alkyl, alkoxy; X = O, SOO-2, CO, CONH, etc.; G1, G2 = 1 or 2 CH2; G3, G4 = 0 or 1 CH2; m = 1 or 2] were prepd. Thus, 1-(4-pyridyl)piperidine-4-carbonyl chloride (prepn. given) was amidated by 3-methyl-1-(2-naphthylsulfonyl)piperazine to give title compd. II. Data for biol. activity of 1 prepd. I were given.

IT 179049-56-0P 179049-81-1P 179049-82-2P

179049-93-5P 179049-94-6P 179049-95-7P

179049-96-8P 179049-98-0P 179049-99-1P

179050-00-1P 179050-03-4P 179050-05-6P

179050-06-7P 179050-07-8P 179050-09-0P

179050-10-3P 179050-11-4P 179050-12-5P

179050-23-8P 179050-27-2P 179050-28-3P

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179050-48-7P 179050-49-8P 188526-29-6P

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188526-57-0P 188526-58-1P 188526-59-2P

188526-60-5P 188526-61-6P 188526-62-7P

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188526-75-2P 188526-76-3P 188526-77-4P

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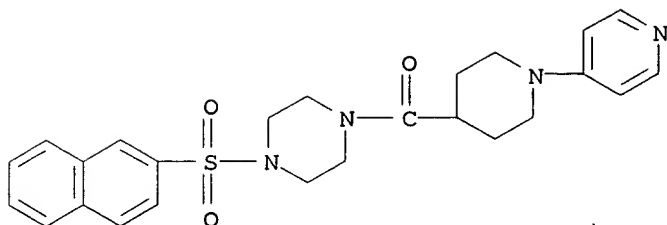
188526-93-4P 188526-95-6P 188526-96-7P

RL: BAC (Biological activity or effector, except adverse); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)

(prepn. of (di)azinyldicarbonyl(di)azines as oxidosqualene cyclase inhibitors)

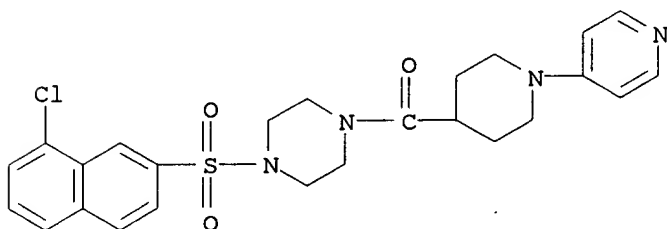
RN 179049-56-0 CAPLUS

CN Piperazine, 1-(2-naphthalenylsulfonyl)-4-[[1-(4-pyridinyl)-4-piperidinyl]carbonyl]- (9CI) (CA INDEX NAME)



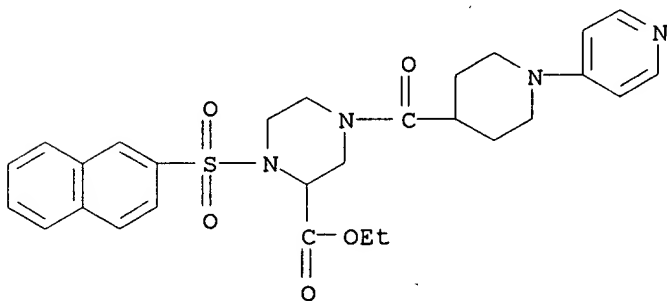
RN 179049-81-1 CAPLUS

CN Piperazine, 1-[(8-chloro-2-naphthalenyl)sulfonyl]-4-[[1-(4-pyridinyl)-4-piperidinyl]carbonyl]- (9CI) (CA INDEX NAME)



RN 179049-82-2 CAPLUS

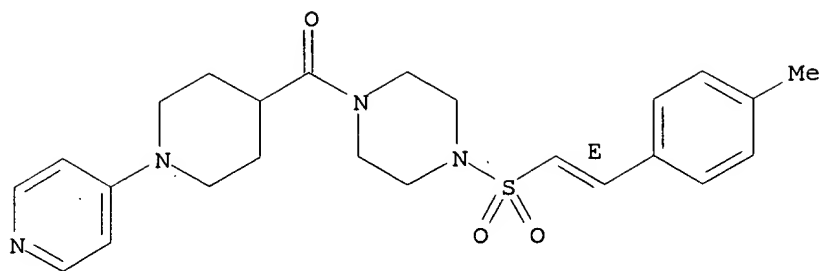
CN 2-Piperazinecarboxylic acid, 1-(2-naphthalenylsulfonyl)-4-[[1-(4-pyridinyl)-4-piperidinyl]carbonyl]-, ethyl ester (9CI) (CA INDEX NAME)



RN 179049-93-5 CAPLUS

CN Piperazine, 1-[[2-[[1-[[4-(4-pyridinyl)-4-piperidinyl]carbonyl]-1-piperazinyl]sulfonyl]-2-naphthalenyl]carboxylic acid ethyl ester (9CI) (CA INDEX NAME)

Double bond geometry as shown.

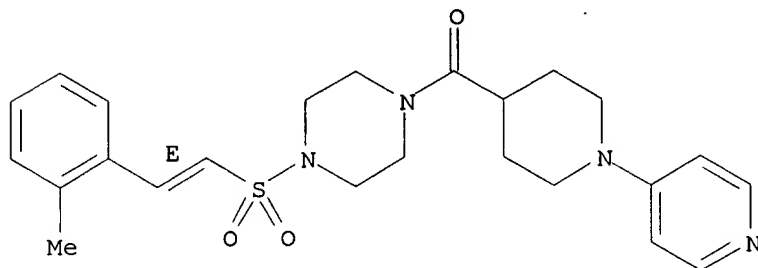


RN 179049-94-6 CAPLUS

CN Piperazine,

1-[[2-(2-methylphenyl)ethenyl]sulfonyl]-4-[[1-(4-pyridinyl)-4-piperidiny]carbonyl]-, (E)- (9CI) (CA INDEX NAME)

Double bond geometry as shown.

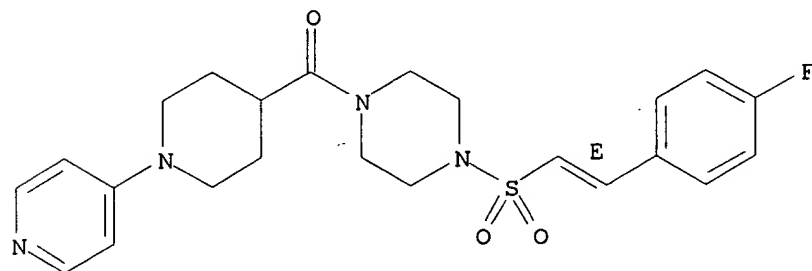


RN 179049-95-7 CAPLUS

CN Piperazine,

1-[[2-(4-fluorophenyl)ethenyl]sulfonyl]-4-[[1-(4-pyridinyl)-4-piperidiny]carbonyl]-, (E)- (9CI) (CA INDEX NAME)

Double bond geometry as shown.

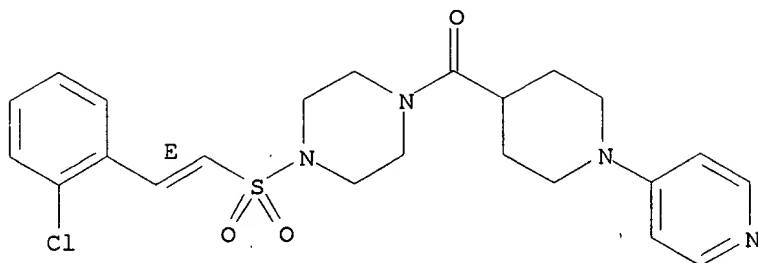


RN 179049-96-8 CAPLUS

CN Piperazine,

1-[[2-(2-chlorophenyl)ethenyl]sulfonyl]-4-[[1-(4-pyridinyl)-4-piperidiny]carbonyl]-, (E)- (9CI) (CA INDEX NAME)

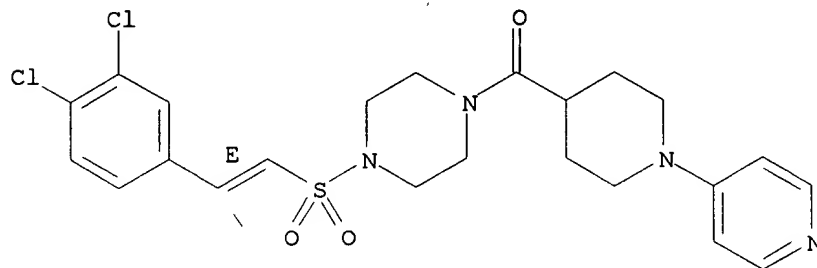
Double bond geometry as shown.



RN 179049-98-0 CAPLUS

CN Piperazine, 1-[[2-(3,4-dichlorophenyl)ethenyl]sulfonyl]-4-[[1-(4-pyridinyl)-4-piperidinyl]carbonyl]-, (E)- (9CI) (CA INDEX NAME)

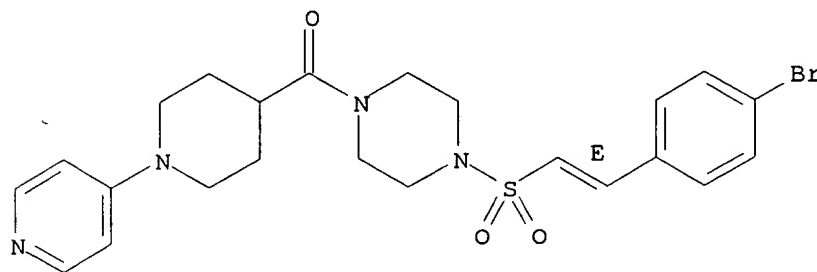
Double bond geometry as shown.



RN 179049-99-1 CAPLUS

CN Piperazine, 1-[[2-(4-bromophenyl)ethenyl]sulfonyl]-4-[[1-(4-pyridinyl)-4-piperidinyl]carbonyl]-, (E)- (9CI) (CA INDEX NAME)

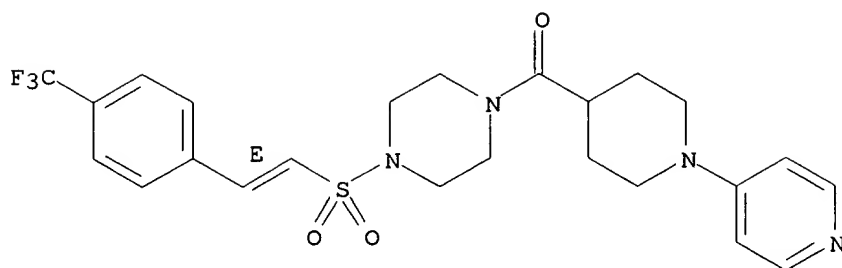
Double bond geometry as shown.



RN 179050-00-1 CAPLUS

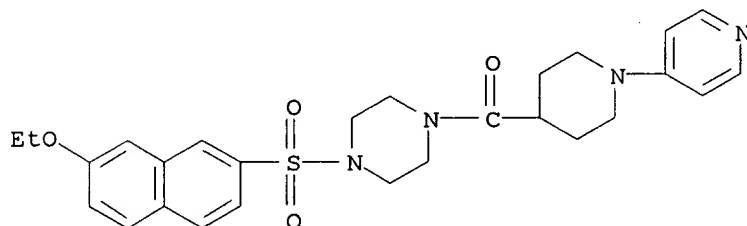
CN Piperazine, 1-[[1-(4-pyridinyl)-4-piperidinyl]carbonyl]-4-[[2-[(4-(trifluoromethyl)phenyl)ethenyl]sulfonyl]-, (E)- (9CI) (CA INDEX NAME)

Double bond geometry as shown.



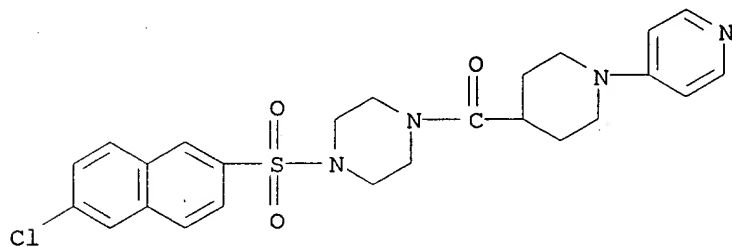
RN 179050-03-4 CAPLUS

CN Piperazine, 1-[(7-ethoxy-2-naphthalenyl)sulfonyl]-4-[[1-(4-pyridinyl)-4-piperidinyl]carbonyl]- (9CI) (CA INDEX NAME)



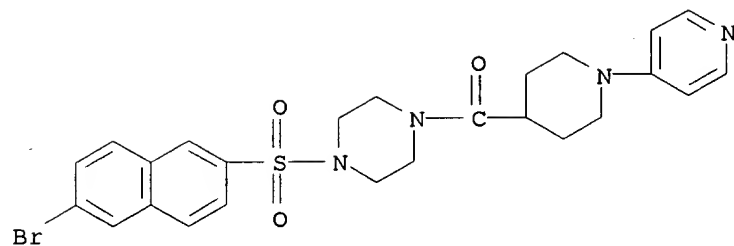
RN 179050-05-6 CAPLUS

CN Piperazine, 1-[(6-chloro-2-naphthalenyl)sulfonyl]-4-[[1-(4-pyridinyl)-4-piperidinyl]carbonyl]- (9CI) (CA INDEX NAME)



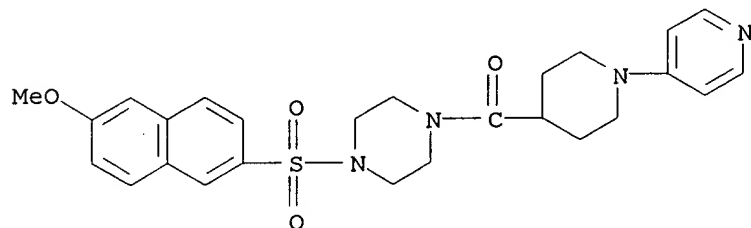
RN 179050-06-7 CAPLUS

CN Piperazine, 1-[(6-bromo-2-naphthalenyl)sulfonyl]-4-[[1-(4-pyridinyl)-4-piperidinyl]carbonyl]- (9CI) (CA INDEX NAME)



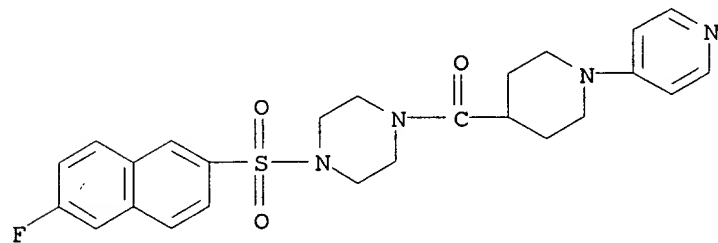
RN 179050-07-8 CAPLUS

CN Piperazine, 1-[(6-methoxy-2-naphthalenyl)sulfonyl]-4-[[1-(4-pyridinyl)-4-piperidinyl]carbonyl]- (9CI) (CA INDEX NAME)



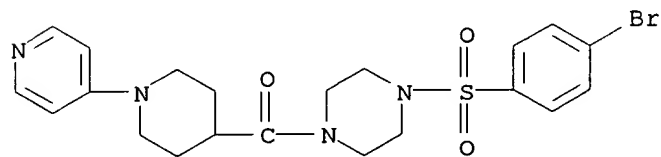
RN 179050-09-0 CAPLUS

CN Piperazine, 1-[(6-fluoro-2-naphthalenyl)sulfonyl]-4-[[1-(4-pyridinyl)-4-piperidinyl]carbonyl]- (9CI) (CA INDEX NAME)

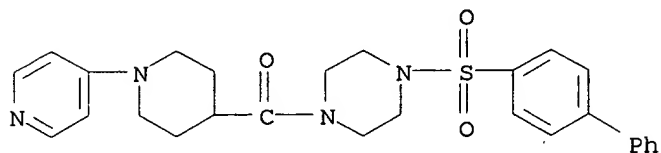


RN 179050-10-3 CAPLUS

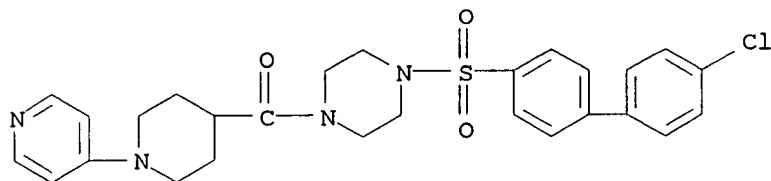
CN Piperazine, 1-[(4-bromophenyl)sulfonyl]-4-[[1-(4-pyridinyl)-4-piperidinyl]carbonyl]- (9CI) (CA INDEX NAME)



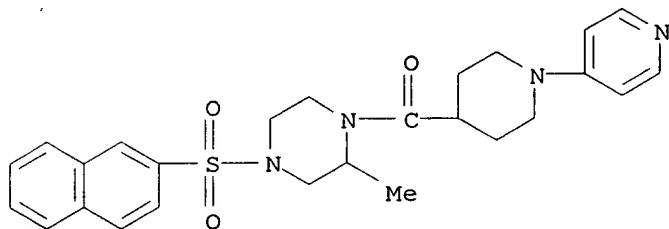
RN 179050-11-4 CAPLUS
 CN Piperazine, 1-([1,1'-biphenyl]-4-ylsulfonyl)-4-[[1-(4-pyridinyl)-4-piperidinyl]carbonyl]- (9CI) (CA INDEX NAME)



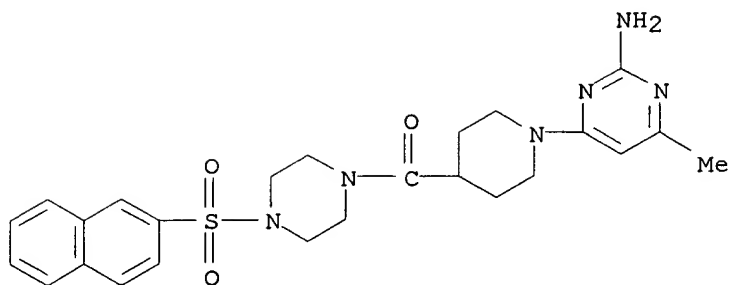
RN 179050-12-5 CAPLUS
 CN Piperazine, 1-[(4'-chloro[1,1'-biphenyl]-4-yl)sulfonyl]-4-[[1-(4-pyridinyl)-4-piperidinyl]carbonyl]- (9CI) (CA INDEX NAME)



RN 179050-23-8 CAPLUS
 CN Piperazine, 2-methyl-4-(2-naphthalenylsulfonyl)-1-[[1-(4-pyridinyl)-4-piperidinyl]carbonyl]- (9CI) (CA INDEX NAME)



RN 179050-27-2 CAPLUS
 CN Piperazine,
 1-[[1-(2-amino-6-methyl-4-pyrimidinyl)-4-piperidinyl]carbonyl]-
 4-(2-naphthalenylsulfonyl)- (9CI) (CA INDEX NAME)

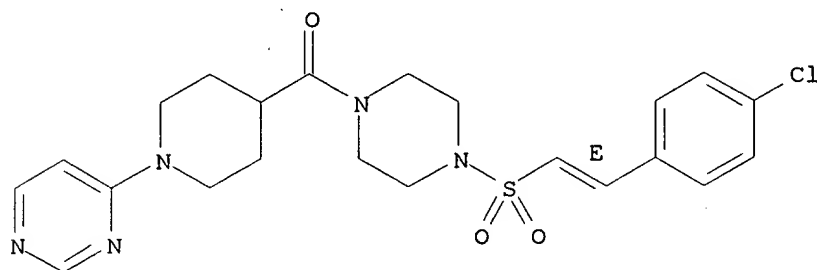


RN 179050-28-3 CAPLUS

CN Piperazine,

1-[[2-(4-chlorophenyl)ethenyl]sulfonyl]-4-[[1-(4-pyrimidinyl)-4-piperidiny]carbonyl]-, (E)- (9CI) (CA INDEX NAME)

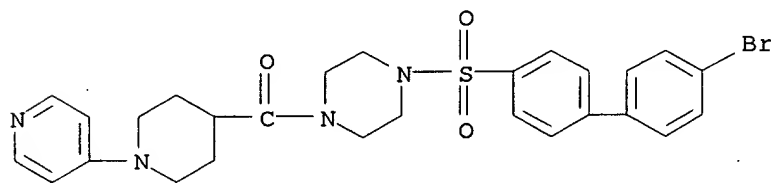
Double bond geometry as shown.



RN 179050-30-7 CAPLUS

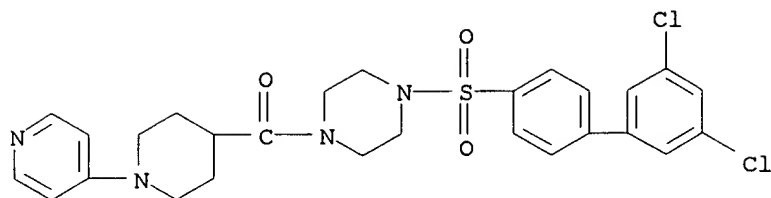
CN Piperazine,

1-[(4'-bromo[1,1'-biphenyl]-4-yl)sulfonyl]-4-[[1-(4-pyridinyl)-4-piperidiny]carbonyl]- (9CI) (CA INDEX NAME)



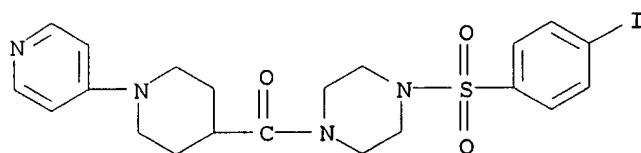
RN 179050-31-8 CAPLUS

CN Piperazine, 1-[(3',5'-dichloro[1,1'-biphenyl]-4-yl)sulfonyl]-4-[[1-(4-pyridinyl)-4-piperidiny]carbonyl]- (9CI) (CA INDEX NAME)



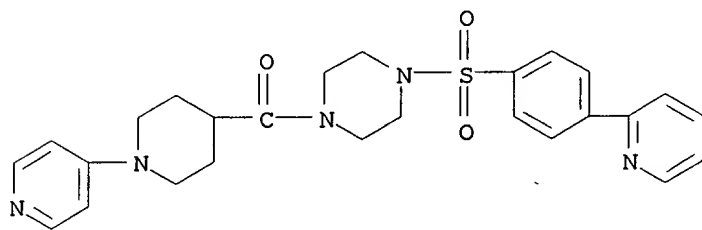
RN 179050-34-1 CAPLUS

CN Piperazine, 1-[[4-(2-chlorophenyl)sulfonyl]-4-[[1-(4-pyridinyl)-4-piperidinyl]carbonyl]-2-chlorophenyl]piperazine (9CI) (CA INDEX NAME)



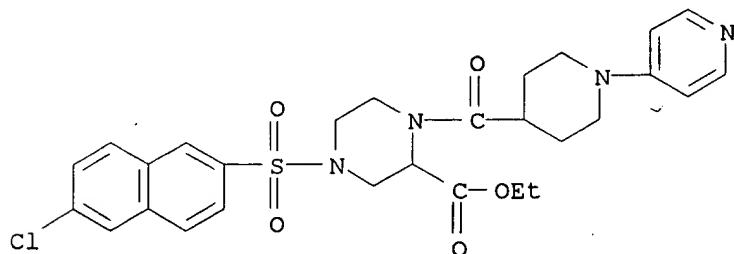
RN 179050-40-9 CAPLUS

CN Piperazine, 1-[[4-(2-iodophenyl)sulfonyl]-4-[[1-(4-pyridinyl)-4-piperidinyl]carbonyl]-2-iodophenyl]piperazine (9CI) (CA INDEX NAME)



RN 179050-42-1 CAPLUS

CN 2-Piperazinecarboxylic acid, 4-[(6-chloro-2-naphthalenyl)sulfonyl]-1-[[1-(4-pyridinyl)-4-piperidinyl]carbonyl]-, ethyl ester (9CI) (CA INDEX NAME)

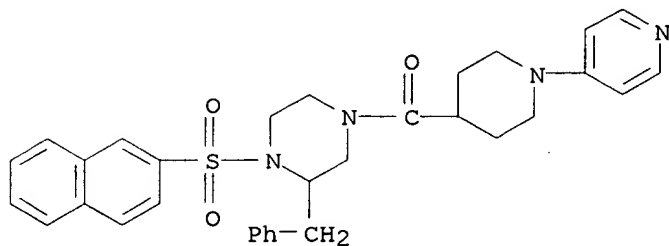


RN 179050-46-5 CAPLUS

CN Piperazine, 1-(2-naphthalenylsulfonyl)-2-(phenylmethyl)-4-[[1-(4-

09/ 582,442

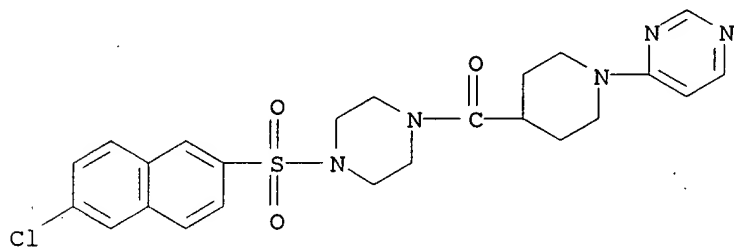
pyridinyl)-4-piperidinyl]carbonyl]- (9CI) (CA INDEX NAME)



RN 179050-48-7 CAPLUS

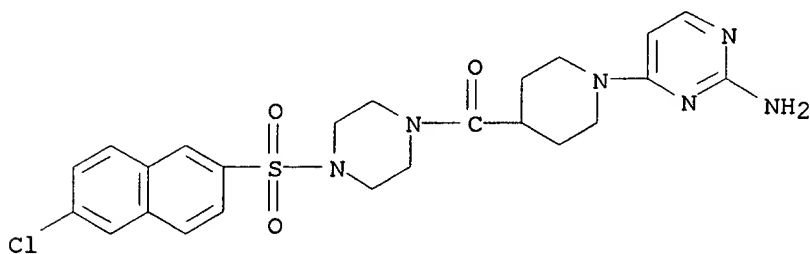
CN Piperazine,

1-[(6-chloro-2-naphthalenyl)sulfonyl]-4-[[1-(4-pyrimidinyl)-4-piperidinyl]carbonyl]- (9CI) (CA INDEX NAME)



RN 179050-49-8 CAPLUS

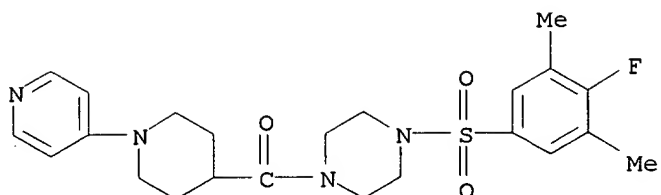
CN Piperazine, 1-[[1-(2-amino-4-pyrimidinyl)-4-piperidinyl]carbonyl]-4-[(6-chloro-2-naphthalenyl)sulfonyl]- (9CI) (CA INDEX NAME)



RN 188526-29-6 CAPLUS

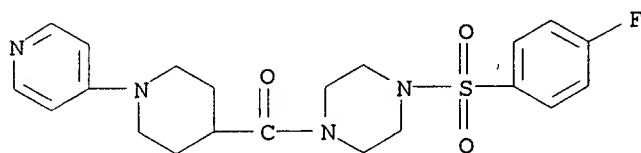
CN Piperazine,

1-[(4-fluoro-3,5-dimethylphenyl)sulfonyl]-4-[[1-(4-pyridinyl)-4-piperidinyl]carbonyl]- (9CI) (CA INDEX NAME)



RN 188526-30-9 CAPLUS

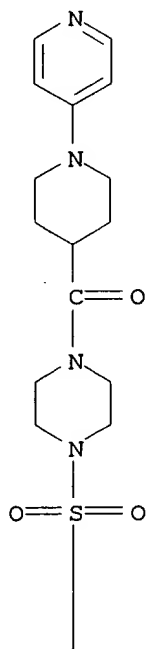
CN Piperazine, 1-[(4-fluorophenyl)sulfonyl]-4-[[1-(4-pyridinyl)-4-piperidinyl]carbonyl]- (9CI) (CA INDEX NAME)

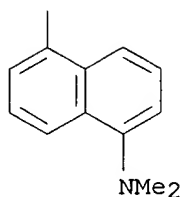


RN 188526-31-0 CAPLUS

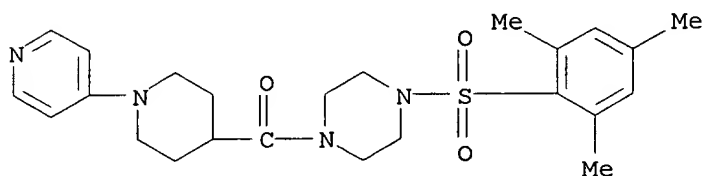
CN Piperazine, 1-[[5-(dimethylamino)-1-naphthalenyl]sulfonyl]-4-[[1-(4-pyridinyl)-4-piperidinyl]carbonyl]- (9CI) (CA INDEX NAME)

PAGE 1-A

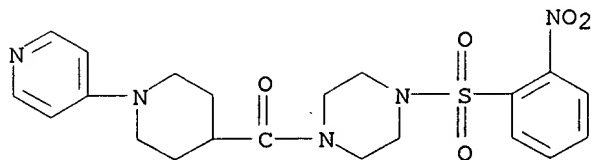




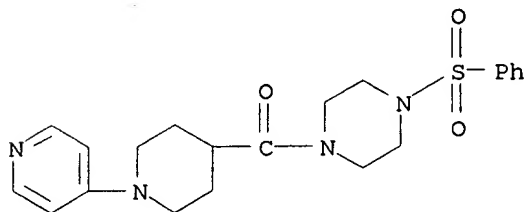
RN 188526-32-1 CAPLUS
 CN Piperazine, 1-[[1-(4-pyridinyl)-4-piperidinyl]carbonyl]-4-[(2,4,6-trimethylphenyl)sulfonyl]- (9CI) (CA INDEX NAME)



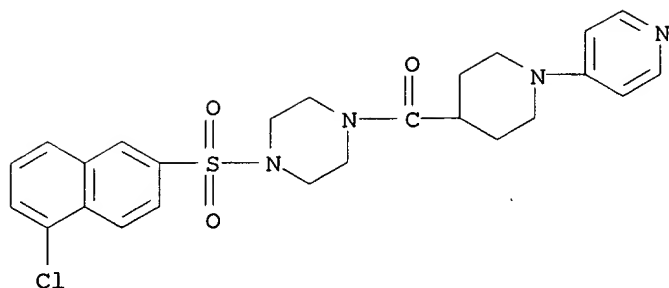
RN 188526-33-2 CAPLUS
 CN Piperazine, 1-[(2-nitrophenyl)sulfonyl]-4-[[1-(4-pyridinyl)-4-piperidinyl]carbonyl]- (9CI) (CA INDEX NAME)



RN 188526-34-3 CAPLUS
 CN Piperazine, 1-(phenylsulfonyl)-4-[[1-(4-pyridinyl)-4-piperidinyl]carbonyl]- (9CI) (CA INDEX NAME)

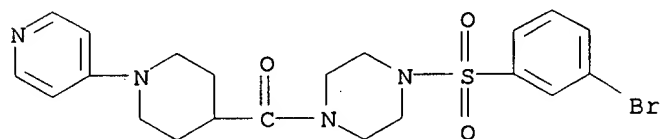


RN 188526-35-4 CAPLUS
 CN Piperazine, 1-[(5-chloro-2-naphthalenyl)sulfonyl]-4-[[1-(4-pyridinyl)-4-piperidinyl]carbonyl]- (9CI) (CA INDEX NAME)



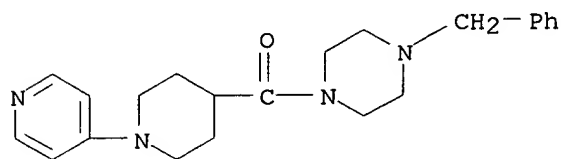
RN 188526-36-5 CAPLUS

CN Piperazine, 1-[(3-bromophenyl)sulfonyl]-4-[[1-(4-pyridinyl)-4-piperidinyl]carbonyl]- (9CI) (CA INDEX NAME)



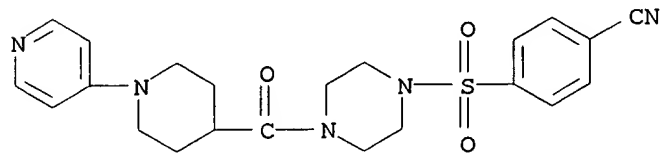
RN 188526-38-7 CAPLUS

CN Piperazine, 1-(phenylmethyl)-4-[[1-(4-pyridinyl)-4-piperidinyl]carbonyl]- (9CI) (CA INDEX NAME)



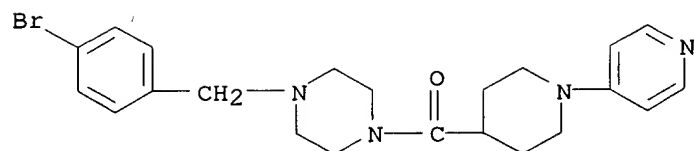
RN 188526-41-2 CAPLUS

CN Piperazine, 1-[(4-bromophenyl)methyl]-4-[[1-(4-pyridinyl)-4-piperidinyl]carbonyl]- (9CI) (CA INDEX NAME)



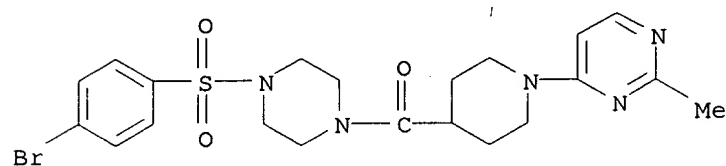
RN 188526-42-3 CAPLUS

CN Piperazine, 1-[(4-bromophenyl)methyl]-4-[[1-(4-pyridinyl)-4-piperidinyl]carbonyl]- (9CI) (CA INDEX NAME)



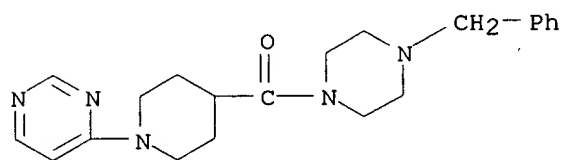
RN 188526-43-4 CAPLUS

CN Piperazine, 1-[(4-bromophenyl)sulfonyl]-4-[[1-(2-methyl-4-pyrimidinyl)-4-piperidinyl]carbonyl]- (9CI) (CA INDEX NAME)



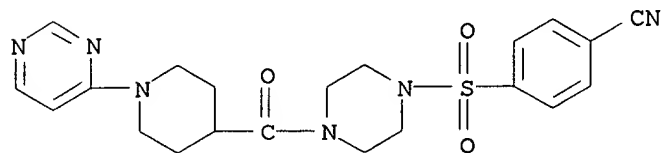
RN 188526-44-5 CAPLUS

CN Piperazine, 1-(phenylmethyl)-4-[[1-(4-pyrimidinyl)-4-piperidinyl]carbonyl]- (9CI) (CA INDEX NAME)



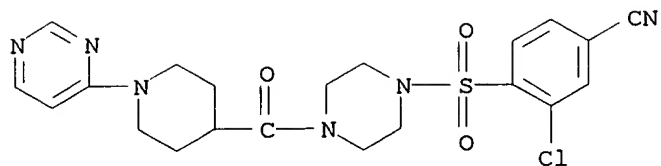
RN 188526-45-6 CAPLUS

CN Piperazine, 1-[(4-cyanophenyl)sulfonyl]-4-[[1-(4-pyrimidinyl)-4-piperidinyl]carbonyl]- (9CI) (CA INDEX NAME)



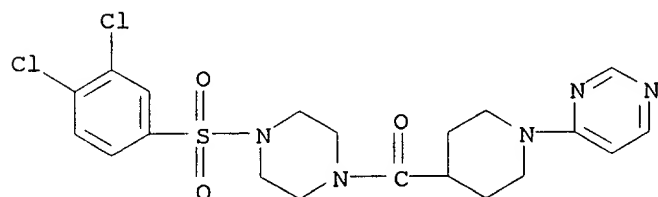
RN 188526-46-7 CAPLUS

CN Piperazine, 1-[(2-chloro-4-cyanophenyl)sulfonyl]-4-[[1-(4-pyrimidinyl)-4-piperidinyl]carbonyl]- (9CI) (CA INDEX NAME)



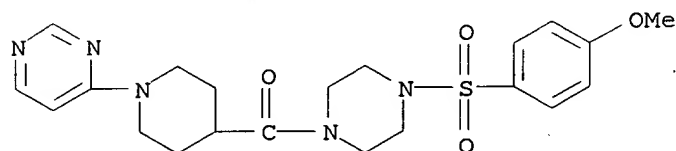
RN 188526-47-8 CAPLUS

CN Piperazine, 1-[(3,4-dichlorophenyl)sulfonyl]-4-[[1-(4-pyrimidinyl)-4-piperidinyl]carbonyl]- (9CI) (CA INDEX NAME)



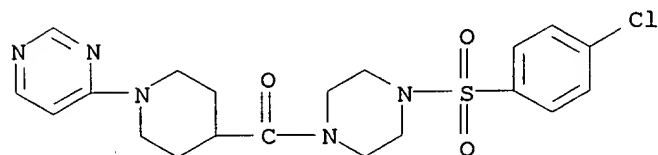
RN 188526-48-9 CAPLUS

CN Piperazine, 1-[(4-methoxyphenyl)sulfonyl]-4-[[1-(4-pyrimidinyl)-4-piperidinyl]carbonyl]- (9CI) (CA INDEX NAME)



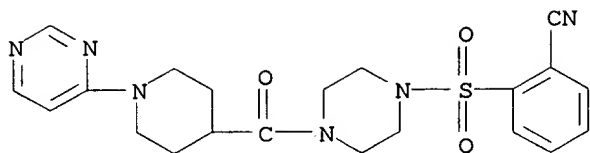
RN 188526-49-0 CAPLUS

CN Piperazine, 1-[(4-chlorophenyl)sulfonyl]-4-[[1-(4-pyrimidinyl)-4-piperidinyl]carbonyl]- (9CI) (CA INDEX NAME)



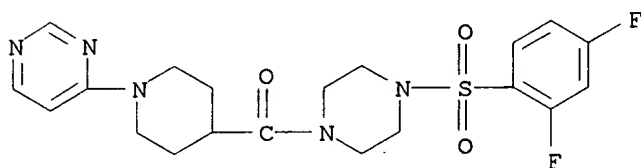
RN 188526-50-3 CAPLUS

CN Piperazine, 1-[(2-cyanophenyl)sulfonyl]-4-[[1-(4-pyrimidinyl)-4-piperidinyl]carbonyl]- (9CI) (CA INDEX NAME)



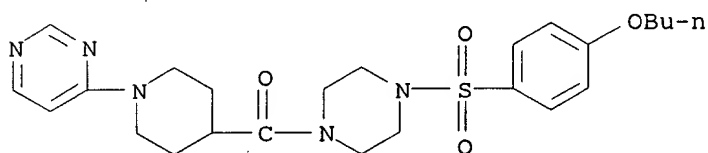
RN 188526-51-4 CAPLUS

CN Piperazine, 1-[(2,4-difluorophenyl)sulfonyl]-4-[[1-(4-pyrimidinyl)-4-piperidinyl]carbonyl]- (9CI) (CA INDEX NAME)



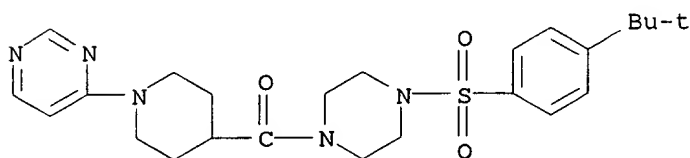
RN 188526-52-5 CAPLUS

CN Piperazine, 1-[(4-butoxyphenyl)sulfonyl]-4-[[1-(4-pyrimidinyl)-4-piperidinyl]carbonyl]- (9CI) (CA INDEX NAME)



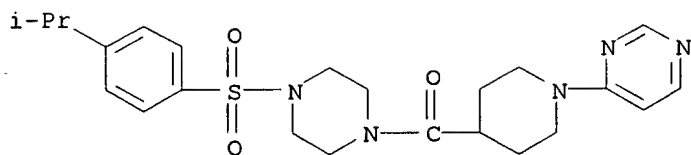
RN 188526-53-6 CAPLUS

CN Piperazine, 1-[[4-(1,1-dimethylethyl)phenyl]sulfonyl]-4-[[1-(4-pyrimidinyl)-4-piperidinyl]carbonyl]- (9CI) (CA INDEX NAME)



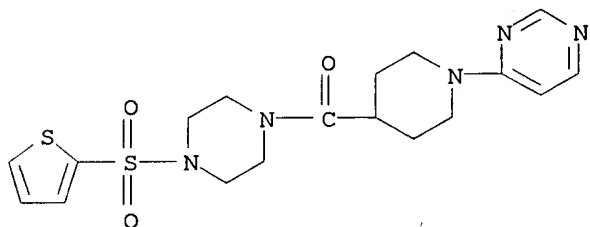
RN 188526-54-7 CAPLUS

CN Piperazine, 1-[[4-(1-methylethyl)phenyl]sulfonyl]-4-[[1-(4-pyrimidinyl)-4-piperidinyl]carbonyl]- (9CI) (CA INDEX NAME)



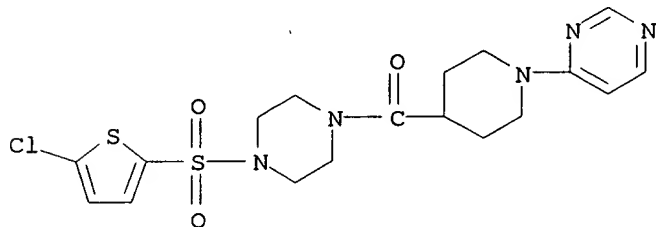
RN 188526-55-8 CAPLUS

CN Piperazine, 1-[[1-(4-pyrimidinyl)-4-piperidinyl]carbonyl]-4-(2-thienylsulfonyl)- (9CI) (CA INDEX NAME)



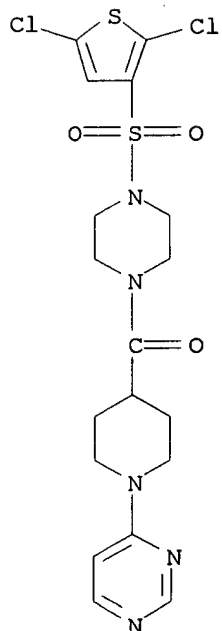
RN 188526-56-9 CAPLUS

CN Piperazine, 1-[(5-chloro-2-thienyl)sulfonyl]-4-[[1-(4-pyrimidinyl)-4-piperidinyl]carbonyl]- (9CI) (CA INDEX NAME)



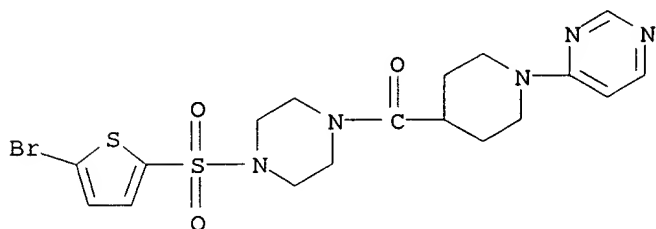
RN 188526-57-0 CAPLUS

CN Piperazine, 1-[(2,5-dichloro-3-thienyl)sulfonyl]-4-[[1-(4-pyrimidinyl)-4-piperidinyl]carbonyl]- (9CI) (CA INDEX NAME)



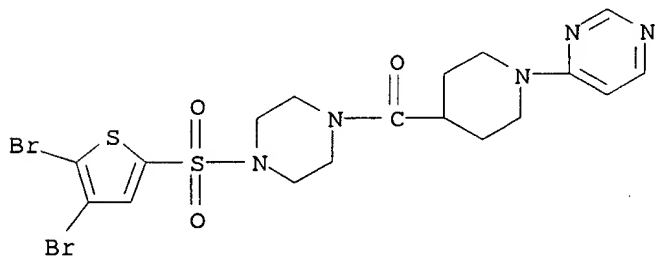
RN 188526-58-1 CAPLUS

CN Piperazine, 1-[(5-bromo-2-thienyl)sulfonyl]-4-[[1-(4-pyrimidinyl)-4-piperidinyl]carbonyl]- (9CI) (CA INDEX NAME)



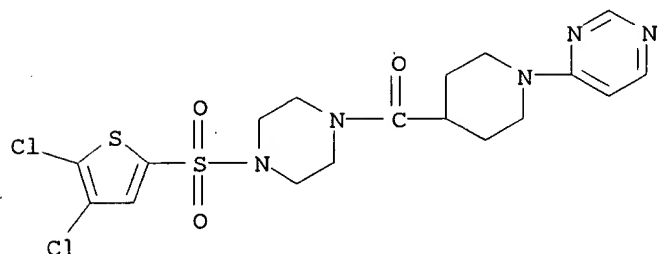
RN 188526-59-2 CAPLUS

CN Piperazine, 1-[(4,5-dibromo-2-thienyl)sulfonyl]-4-[[1-(4-pyrimidinyl)-4-piperidinyl]carbonyl]- (9CI) (CA INDEX NAME)



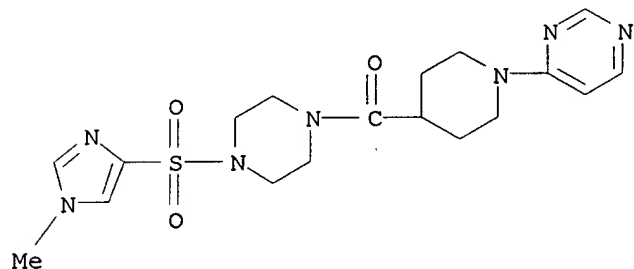
RN 188526-60-5 CAPLUS

CN Piperazine, 1-[(4,5-dichloro-2-thienyl)sulfonyl]-4-[[1-(4-pyrimidinyl)-4-piperidinyl]carbonyl]- (9CI) (CA INDEX NAME)



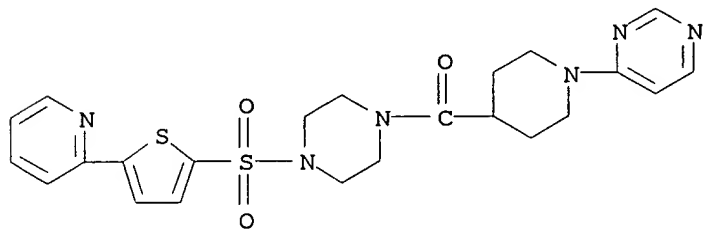
RN 188526-61-6 CAPLUS

CN Piperazine, 1-[(1-methyl-1H-imidazol-4-yl)sulfonyl]-4-[[1-(4-pyrimidinyl)-4-piperidinyl]carbonyl]- (9CI) (CA INDEX NAME)



RN 188526-62-7 CAPLUS

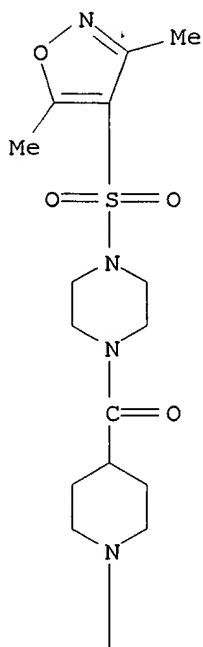
CN Piperazine, 1-[[5-(2-pyridinyl)-2-thienyl)sulfonyl]-4-[[1-(4-pyrimidinyl)-4-piperidinyl]carbonyl]- (9CI) (CA INDEX NAME)



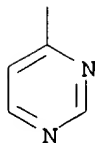
RN 188526-63-8 CAPLUS

CN Piperazine, 1-[(3,5-dimethyl-4-isoxazolyl)sulfonyl]-4-[[1-(4-pyrimidinyl)-4-piperidinyl]carbonyl]- (9CI) (CA INDEX NAME)

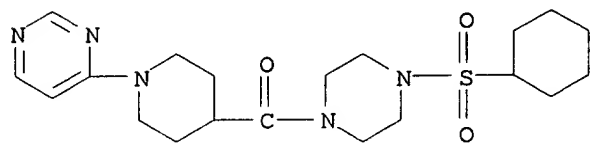
PAGE 1-A



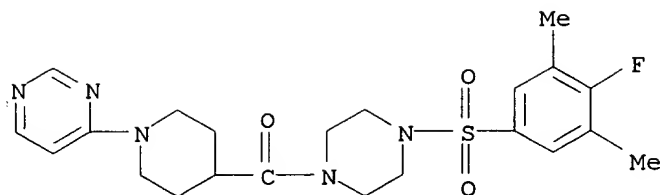
PAGE 2-A



RN 188526-64-9 CAPLUS
 CN Piperazine, 1-(cyclohexylsulfonyl)-4-[[1-(4-pyrimidinyl)-4-piperidinyl]carbonyl]- (9CI) (CA INDEX NAME)

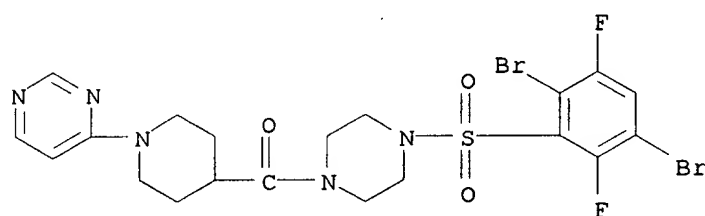


RN 188526-65-0 CAPLUS
 CN Piperazine, 1-[(4-fluoro-3,5-dimethylphenyl)sulfonyl]-4-[[1-(4-pyrimidinyl)-4-piperidinyl]carbonyl]- (9CI) (CA INDEX NAME)



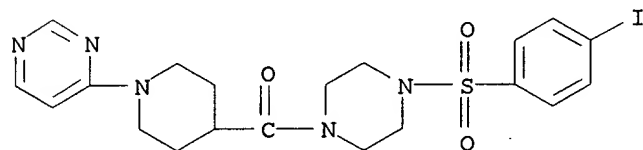
RN 188526-66-1 CAPLUS

CN Piperazine, 1-[(3,6-dibromo-2,5-difluorophenyl)sulfonyl]-4-[[1-(4-pyrimidinyl)-4-piperidinyl]carbonyl]- (9CI) (CA INDEX NAME)



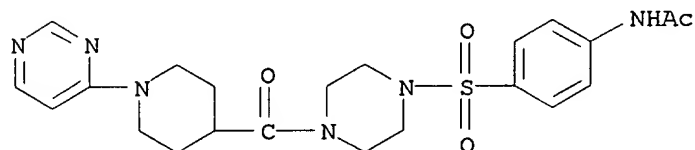
RN 188526-67-2 CAPLUS

CN Piperazine, 1-[(4-iodophenyl)sulfonyl]-4-[[1-(4-pyrimidinyl)-4-piperidinyl]carbonyl]- (9CI) (CA INDEX NAME)



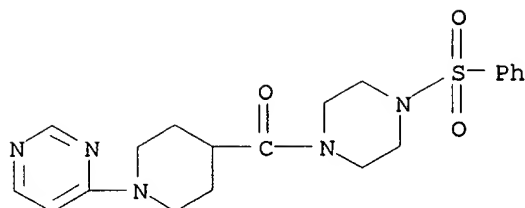
RN 188526-68-3 CAPLUS

CN Acetamide, N-[4-[[4-[[1-(4-pyrimidinyl)-4-piperidinyl]carbonyl]-1-piperazinyl]sulfonyl]phenyl]- (9CI) (CA INDEX NAME)



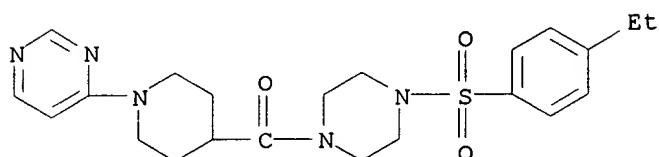
RN 188526-69-4 CAPLUS

CN Piperazine, 1-(phenylsulfonyl)-4-[[1-(4-pyrimidinyl)-4-piperidinyl]carbonyl]- (9CI) (CA INDEX NAME)



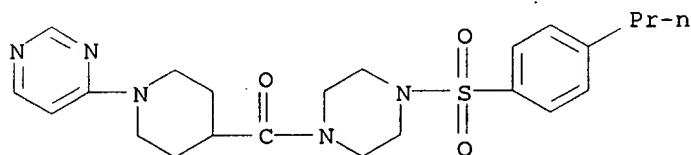
RN 188526-70-7 CAPLUS

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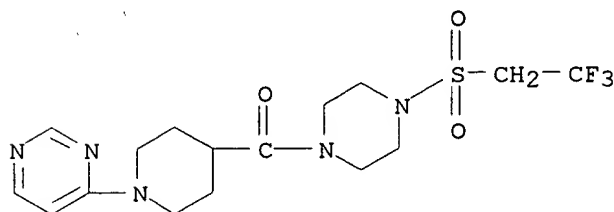
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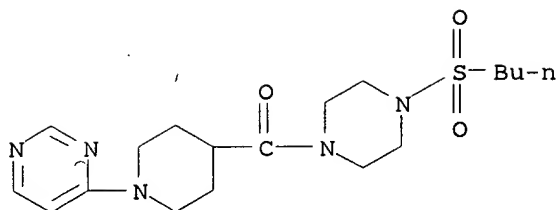
RN 188526-72-9 CAPLUS

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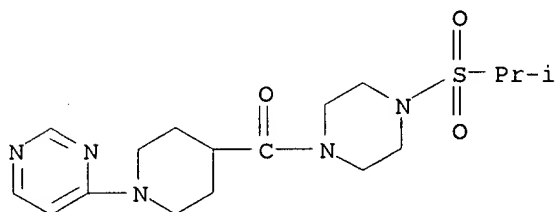
RN 188526-73-0 CAPLUS

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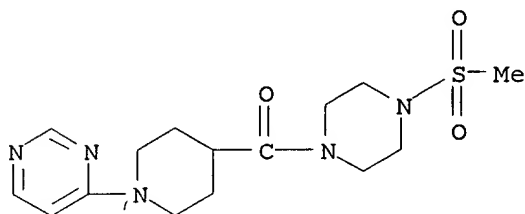
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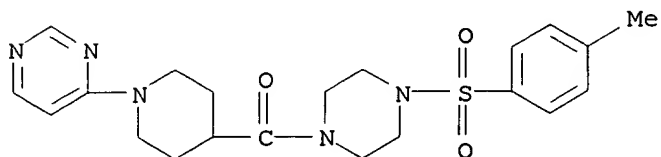
RN 188526-75-2 CAPLUS

CN Piperazine, 1-(methylsulfonyl)-4-[[1-(4-pyrimidinyl)-4-piperidinyl]carbonyl]- (9CI) (CA INDEX NAME)



RN 188526-76-3 CAPLUS

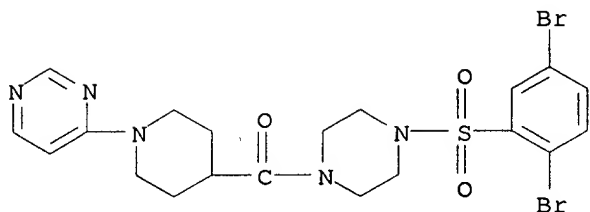
CN Piperazine, 1-[(4-methylphenyl)sulfonyl]-4-[[1-(4-pyrimidinyl)-4-piperidinyl]carbonyl]- (9CI) (CA INDEX NAME)



RN 188526-77-4 CAPLUS

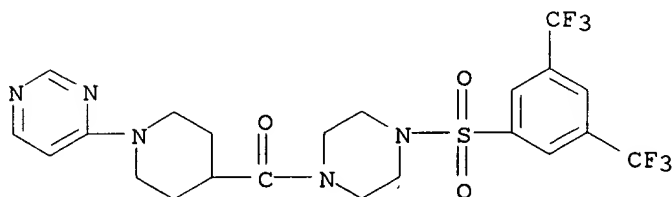
CN Piperazine, 1-[(2,5-dibromophenyl)sulfonyl]-4-[[1-(4-pyrimidinyl)-4-

piperidinyl]carbonyl]- (9CI) (CA INDEX NAME)



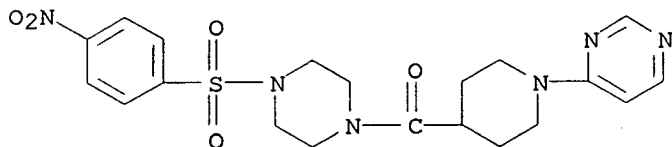
RN 188526-78-5 CAPLUS

CN Piperazine, 1-[[3,5-bis(trifluoromethyl)phenyl]sulfonyl]-4-[[1-(4-pyrimidinyl)-4-piperidinyl]carbonyl]- (9CI) (CA INDEX NAME)



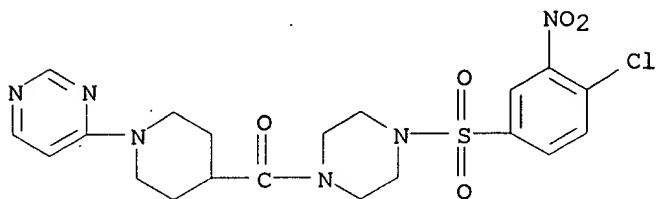
RN 188526-79-6 CAPLUS

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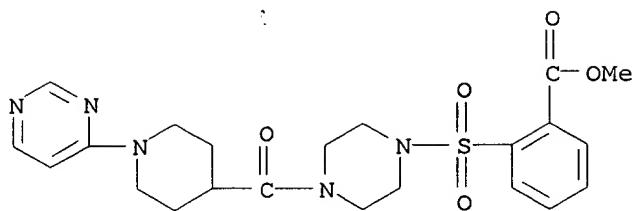
RN 188526-80-9 CAPLUS

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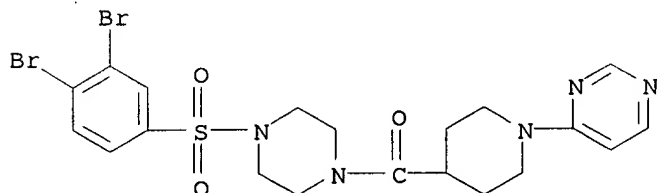
RN 188526-81-0 CAPLUS

CN Benzoic acid, 2-[[4-[[1-(4-pyrimidinyl)-4-piperidinyl]carbonyl]-1-piperazinyl]sulfonyl]-, methyl ester (9CI) (CA INDEX NAME)



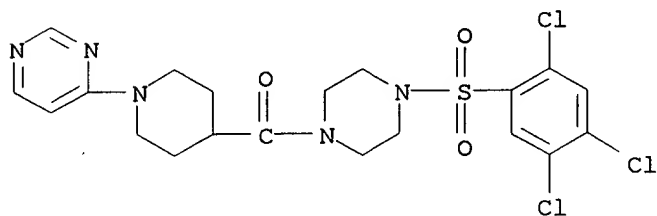
RN 188526-82-1 CAPLUS

CN Piperazine, 1-[(3,4-dibromophenyl)sulfonyl]-4-[[1-(4-pyrimidinyl)-4-piperidinyl]carbonyl]- (9CI) (CA INDEX NAME)



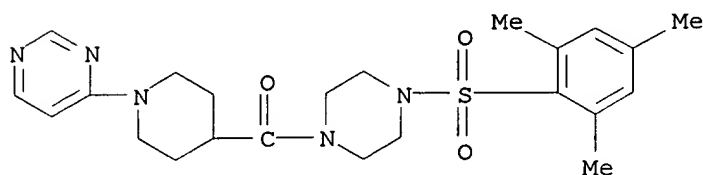
RN 188526-83-2 CAPLUS

CN Piperazine, 1-[[1-(4-pyrimidinyl)-4-piperidinyl]carbonyl]-4-[(2,4,5-trichlorophenyl)sulfonyl]- (9CI) (CA INDEX NAME)



RN 188526-84-3 CAPLUS

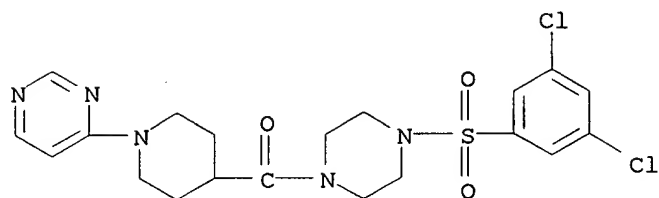
CN Piperazine, 1-[[1-(4-pyrimidinyl)-4-piperidinyl]carbonyl]-4-[(2,4,6-trimethylphenyl)sulfonyl]- (9CI) (CA INDEX NAME)



RN 188526-85-4 CAPLUS

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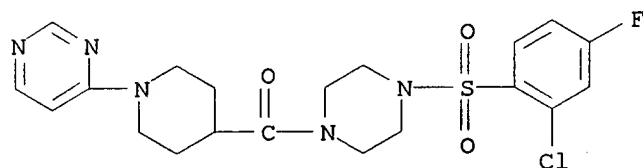
piperidinyl]carbonyl]- (9CI) (CA INDEX NAME)



RN 188526-86-5 CAPLUS

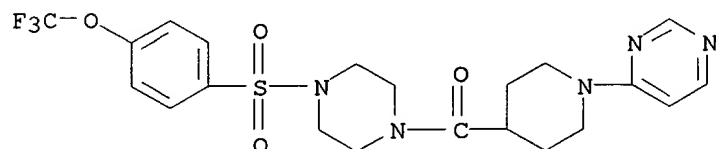
CN Piperazine,

1-[(2-chloro-4-fluorophenyl)sulfonyl]-4-[[1-(4-pyrimidinyl)-4-piperidinyl]carbonyl]- (9CI) (CA INDEX NAME)



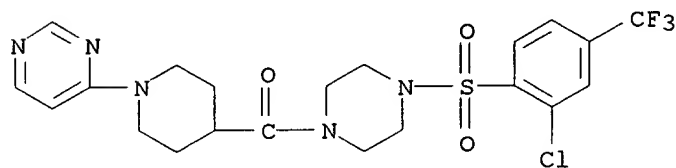
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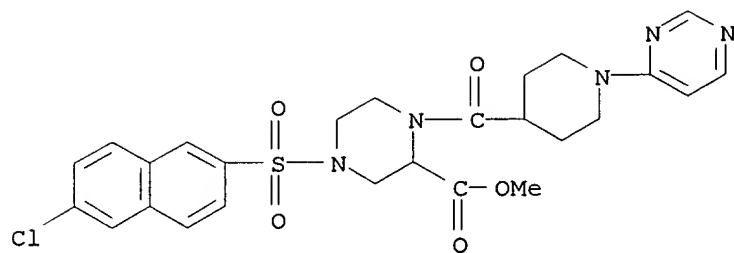
RN 188526-88-7 CAPLUS

CN Piperazine, 1-[[2-chloro-4-(trifluoromethyl)phenyl]sulfonyl]-4-[[1-(4-pyrimidinyl)-4-piperidinyl]carbonyl]- (9CI) (CA INDEX NAME)



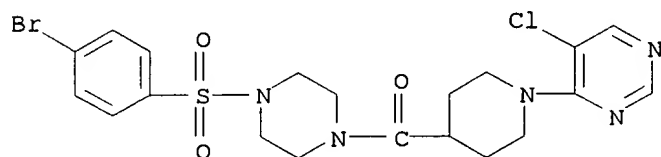
RN 188526-89-8 CAPLUS

CN 2-Piperazinecarboxylic acid, 4-[(6-chloro-2-naphthalenyl)sulfonyl]-1-[[1-(4-pyrimidinyl)-4-piperidinyl]carbonyl]-, methyl ester (9CI) (CA INDEX NAME)



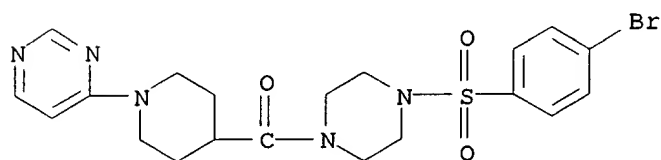
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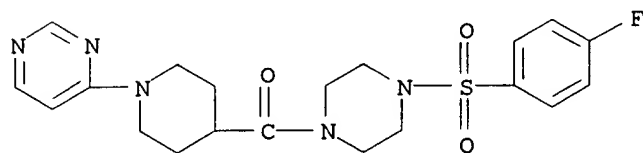
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CN Piperazine, 1-[(4-fluorophenyl)sulfonyl]-4-[[1-(4-pyrimidinyl)-4-piperidinyl]carbonyl]- (9CI) (CA INDEX NAME)



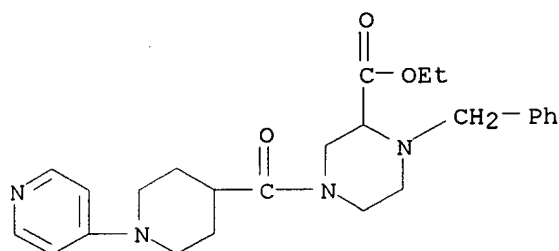
IT 179051-10-6P

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation)
(prepn. of (di)azinylcarbonyl(di)azines as oxidosqualene cyclase
inhibitors)

RN 179051-10-6 CAPLUS

CN 2-Piperazinecarboxylic acid, 1-(phenylmethyl)-4-[[1-(4-pyridinyl)-4-

piperidinyl]carbonyl]-, ethyl ester (9CI) (CA INDEX NAME)



L4 ANSWER 8 OF 8 CAPLUS COPYRIGHT 2001 ACS

ACCESSION NUMBER: 1996:455760 CAPLUS

DOCUMENT NUMBER: 125:114690

TITLE: Preparation of aminoheterocyclic derivatives as antithrombotic or anticoagulant agents

INVENTOR(S): Faull, Alan Wellington; Mayo, Colette Marie; Preston, John; Stocker, Andrew

PATENT ASSIGNEE(S): Zeneca Limited, UK

SOURCE: PCT Int. Appl., 161 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

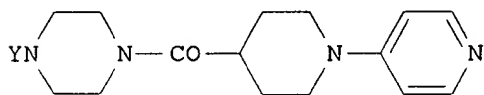
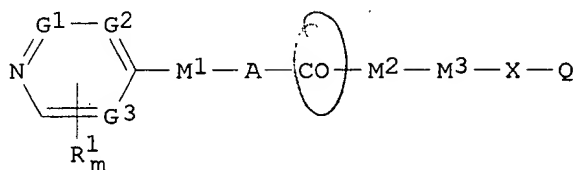
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WO 9610022	A1	19960404	WO 1995-GB2285	19950925
W: AM, AT, AU, BB, BG, BR, BY, CA, CH, CN, CZ, DE, DK, EE, ES, FI, GB, GE, HU, IS, JP, KE, KG, KP, KR, KZ, LK, LR, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, TJ, TM				
RW: KE, MW, SD, SZ, UG, AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG				
CA 2197471	AA	19960404	CA 1995-2197471	19950925
AU 9535307	A1	19960419	AU 1995-35307	19950925
AU 696491	B2	19980910		
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BR 9509045	A	19970930	BR 1995-9045	19950925
CN 1164232	A	19971105	CN 1995-196337	19950925
JP 10506122	T2	19980616	JP 1995-511499	19950925
AT 168685	E	19980815	AT 1995-932128	19950925
HU 77769	A2	19980828	HU 1997-2052	19950925
ES 2119472	T3	19981001	ES 1995-932128	19950925
CZ 285370	B6	19990714	CZ 1997-893	19950925
ZA 9508085	A	19960424	ZA 1995-8085	19950926
NO 9701415	A	19970522	NO 1997-1415	19970325

US 5965559
PRIORITY APPLN. INFO.:

A 19991012

US 1997-817031 19970326
GB 1994-19341 19940926
GB 1994-25789 19941221
GB 1995-11051 19950601
WO 1995-GB2285 19950925

OTHER SOURCE(S): MARPAT 125:114690
GI



AB The title compds. [I; G1, G2, G3 = CH, N; m = 1, 2; R1 = H, halo, Cl-4 alkyl; M1 = (substituted) piperidino, piperazino, etc.; A = bond, Cl-4 alkylene; M2 = piperazino, etc.; M3 = bond, etc.; X = SO2; Q = naphthyl, heterocyclyl] were prepd. and formulated. Treatment of 1-(4-pyridyl)piperidine-4-carboxylic acid with SOCl2 followed by addn. of 1-tert-butoxycarbonylpiperazine, deprotection of the intermediate II (Y = Boc) with HCl/Et2O and reaction of piperazine II.3HCl (Y = H) with 2-naphthylsulfonyl chloride afforded I [G1, G2, G3 = CH; R1 = H; M1 = piperidino; A, M3 = bond; M2 = piperazino; X = SO2; Q = 2-naphthyl]. In general, compds. I showed IC50 of 0.001-25 .mu.M against Factor Xa and of > 50 .mu.M against thrombin.

IT 179050-42-1P

RL: BAC (Biological activity or effector, except adverse); RCT

(Reactant);

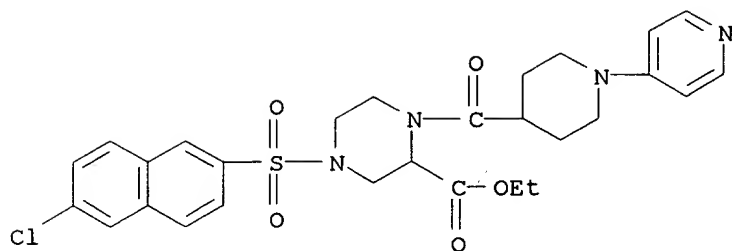
SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)

(prepn. of aminoheterocyclic derivs. as antithrombotic or anticoagulant agents)

RN 179050-42-1 CAPLUS

CN 2-Piperazinecarboxylic acid, 4-[(6-chloro-2-naphthalenyl)sulfonyl]-1-[[1-(4-pyridinyl)-4-piperidinyl]carbonyl]-, ethyl ester (9CI) (CA INDEX

NAME)



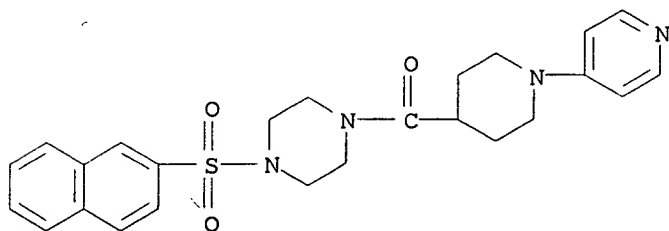
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 179050-66-9P 179050-69-2P 179051-81-1P

RL: BAC (Biological activity or effector, except adverse); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)

(prepn. of aminoheterocyclic derivs. as antithrombotic or anticoagulant agents)

RN 179049-56-0 CAPLUS

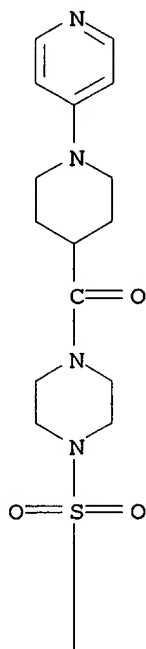
CN Piperazine, 1-(2-naphthalenylsulfonyl)-4-[[1-(4-pyridinyl)-4-piperidinyl]carbonyl]- (9CI) (CA INDEX NAME)



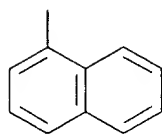
09/ 582,442

RN 179049-65-1 CAPLUS
CN Piperazine, 1-(1-naphthalenylsulfonyl)-4-[[1-(4-pyridinyl)-4-piperidinyl]carbonyl]- (9CI) (CA INDEX NAME)

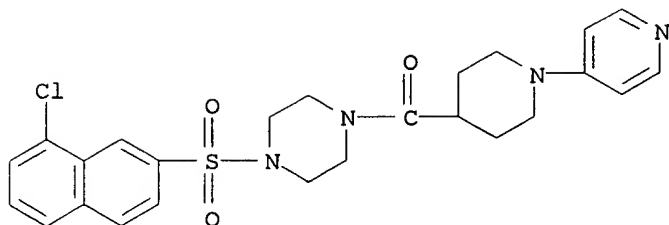
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PAGE 2-A

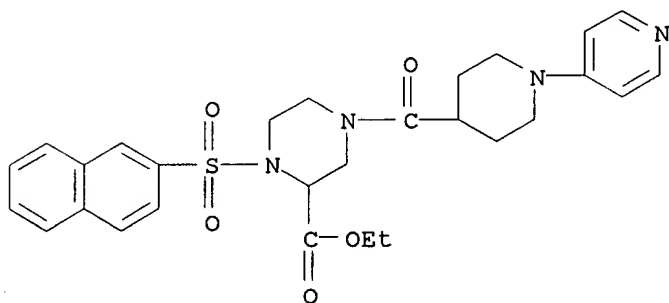


RN 179049-81-1 CAPLUS
CN Piperazine, 1-[(8-chloro-2-naphthalenyl)sulfonyl]-4-[[1-(4-pyridinyl)-4-piperidinyl]carbonyl]- (9CI) (CA INDEX NAME)



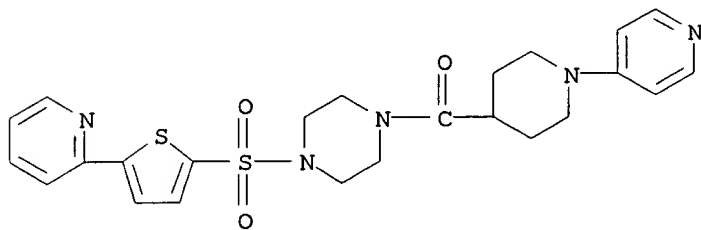
RN 179049-82-2 CAPLUS

CN 2-Piperazinecarboxylic acid, 1-(2-naphthalenylsulfonyl)-4-[[1-(4-pyridinyl)-4-piperidinyl]carbonyl]-, ethyl ester (9CI) (CA INDEX NAME)



RN 179049-91-3 CAPLUS

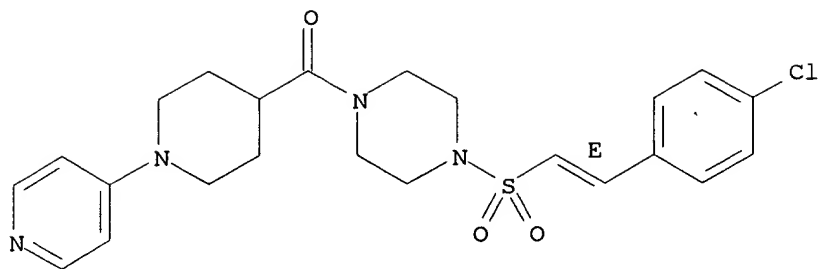
CN Piperazine, 1-[[1-(4-pyridinyl)-4-piperidinyl]carbonyl]-4-[[5-(2-pyridinyl)-2-thienyl]sulfonyl]- (9CI) (CA INDEX NAME)



RN 179049-92-4 CAPLUS

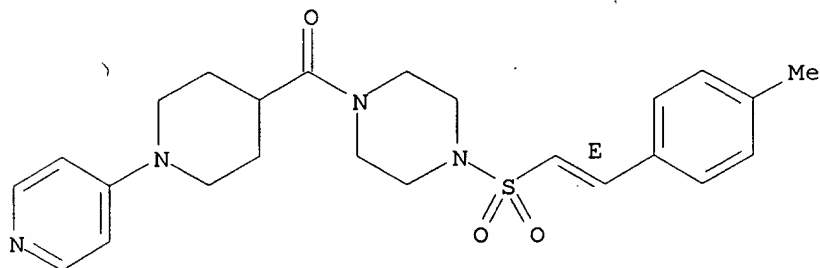
CN Piperazine, 1-[[2-(4-chlorophenyl)ethenyl]sulfonyl]-4-[[1-(4-pyridinyl)-4-piperidinyl]carbonyl]-, (E)- (9CI) (CA INDEX NAME)

Double bond geometry as shown.



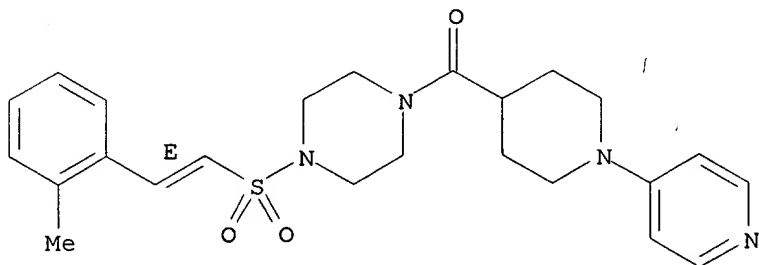
RN 179049-93-5 CAPLUS
 CN Piperazine,
 1-[[2-(4-methylphenyl)ethenyl]sulfonyl]-4-[[1-(4-pyridinyl)-4-
 piperidinyl]carbonyl]-, (E)- (9CI) (CA INDEX NAME)

Double bond geometry as shown.



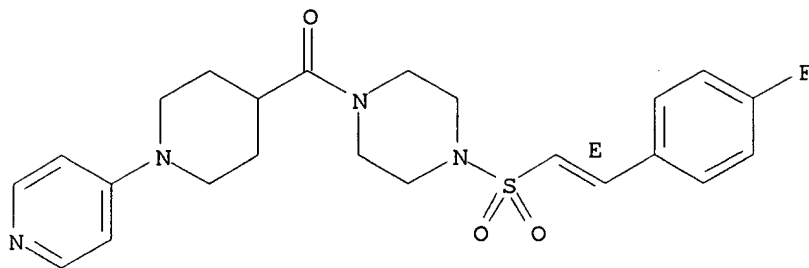
RN 179049-94-6 CAPLUS
 CN Piperazine,
 1-[[2-(2-methylphenyl)ethenyl]sulfonyl]-4-[[1-(4-pyridinyl)-4-
 piperidinyl]carbonyl]-, (E)- (9CI) (CA INDEX NAME)

Double bond geometry as shown.



RN 179049-95-7 CAPLUS
 CN Piperazine,
 1-[[2-(4-fluorophenyl)ethenyl]sulfonyl]-4-[[1-(4-pyridinyl)-4-
 piperidinyl]carbonyl]-, (E)- (9CI) (CA INDEX NAME)

Double bond geometry as shown.

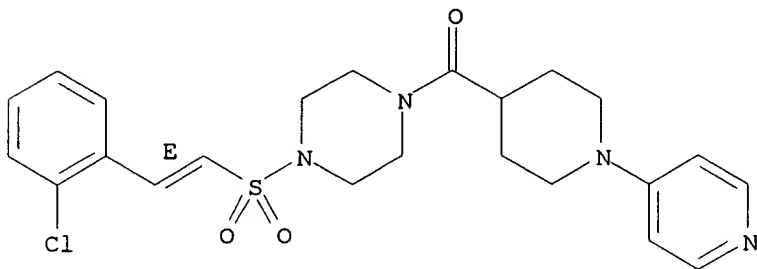


RN 179049-96-8 CAPLUS

CN Piperazine,

1-[[2-(2-chlorophenyl)ethenyl]sulfonyl]-4-[[1-(4-pyridinyl)-4-piperidinyl]carbonyl]-, (E)- (9CI) (CA INDEX NAME)

Double bond geometry as shown.

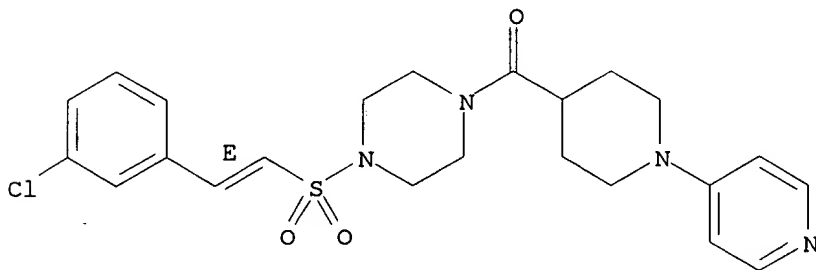


RN 179049-97-9 CAPLUS

CN Piperazine,

1-[[2-(3-chlorophenyl)ethenyl]sulfonyl]-4-[[1-(4-pyridinyl)-4-piperidinyl]carbonyl]-, (E)- (9CI) (CA INDEX NAME)

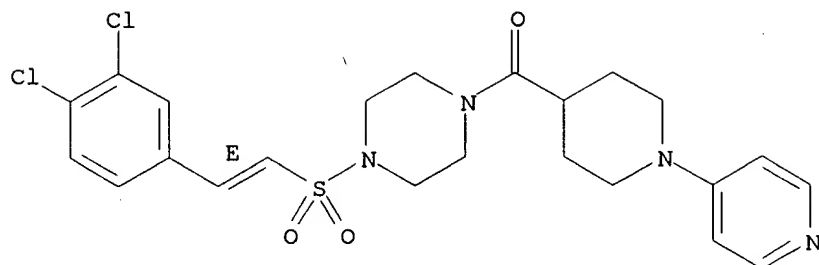
Double bond geometry as shown.



RN 179049-98-0 CAPLUS

CN Piperazine, 1-[[2-(3,4-dichlorophenyl)ethenyl]sulfonyl]-4-[[1-(4-pyridinyl)-4-piperidinyl]carbonyl]-, (E)- (9CI) (CA INDEX NAME)

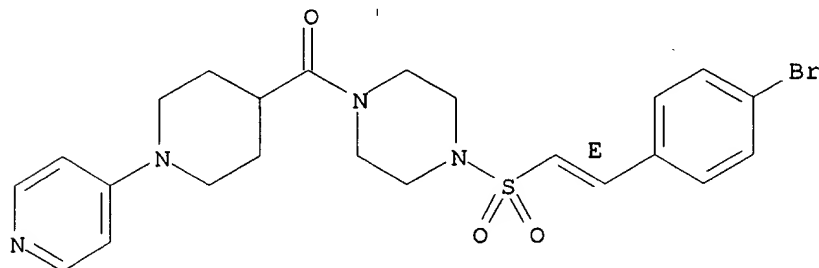
Double bond geometry as shown.



RN 179049-99-1 CAPLUS

CN Piperazine, 1-[[2-(4-bromophenyl)ethenyl]sulfonyl]-4-[[1-(4-pyridinyl)-4-piperidiny]carbonyl]-, (E)- (9CI) (CA INDEX NAME)

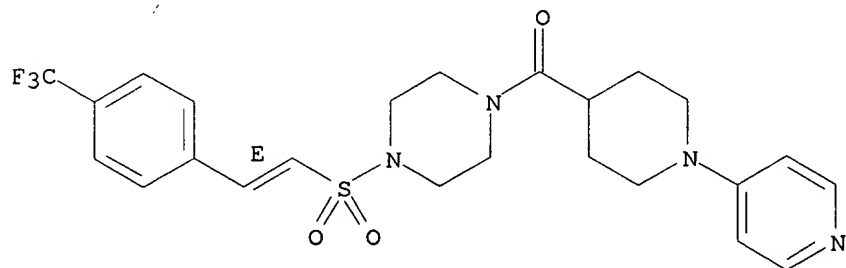
Double bond geometry as shown.



RN 179050-00-1 CAPLUS

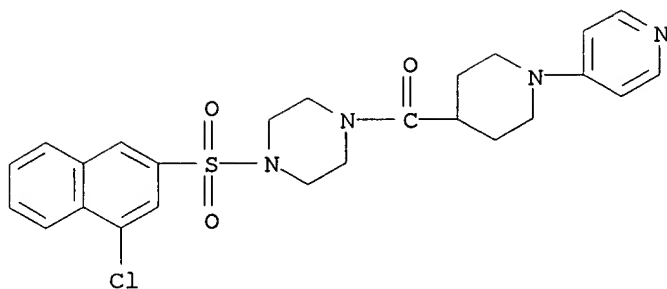
CN Piperazine, 1-[[1-(4-pyridinyl)-4-piperidiny]carbonyl]-4-[[2-[4-(trifluoromethyl)phenyl]ethenyl]sulfonyl]-, (E)- (9CI) (CA INDEX NAME)

Double bond geometry as shown.



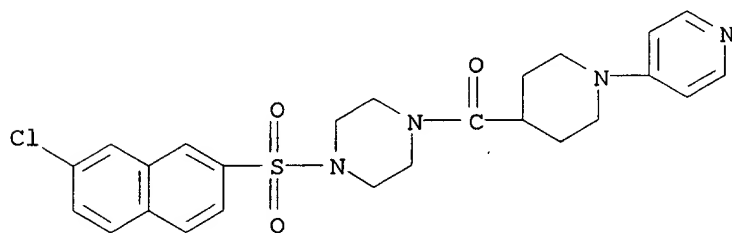
RN 179050-01-2 CAPLUS

CN Piperazine, 1-[[4-chloro-2-naphthalenyl]sulfonyl]-4-[[1-(4-pyridinyl)-4-piperidiny]carbonyl]- (9CI) (CA INDEX NAME)



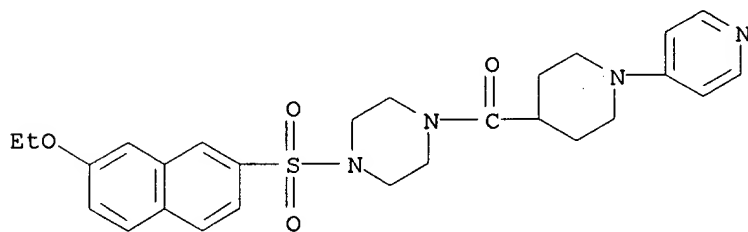
RN 179050-02-3 CAPLUS

CN Piperazine, 1-[(7-chloro-2-naphthalenyl)sulfonyl]-4-[[1-(4-pyridinyl)-4-piperidinyl]carbonyl]- (9CI) (CA INDEX NAME)



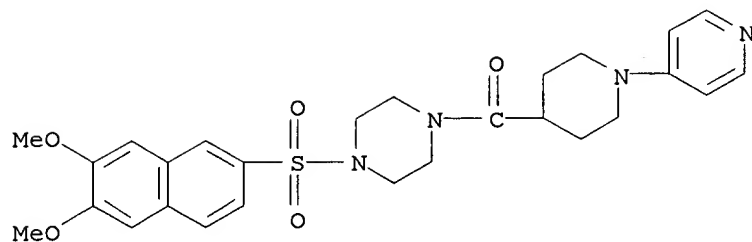
RN 179050-03-4 CAPLUS

CN Piperazine, 1-[(7-ethoxy-2-naphthalenyl)sulfonyl]-4-[[1-(4-pyridinyl)-4-piperidinyl]carbonyl]- (9CI) (CA INDEX NAME)



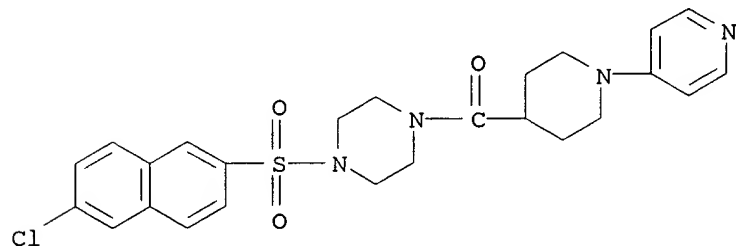
RN 179050-04-5 CAPLUS

CN Piperazine, 1-[(6,7-dimethoxy-2-naphthalenyl)sulfonyl]-4-[[1-(4-pyridinyl)-4-piperidinyl]carbonyl]- (9CI) (CA INDEX NAME)



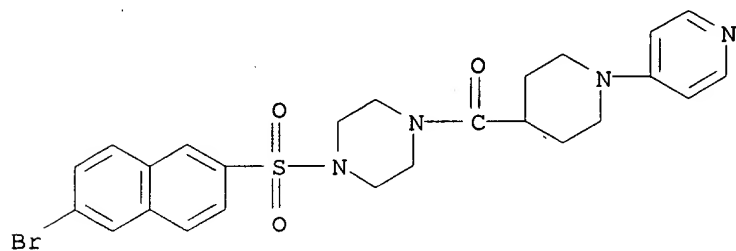
RN 179050-05-6 CAPLUS

CN Piperazine, 1-[(6-chloro-2-naphthalenyl)sulfonyl]-4-[[1-(4-pyridinyl)-4-piperidinyl]carbonyl]- (9CI) (CA INDEX NAME)



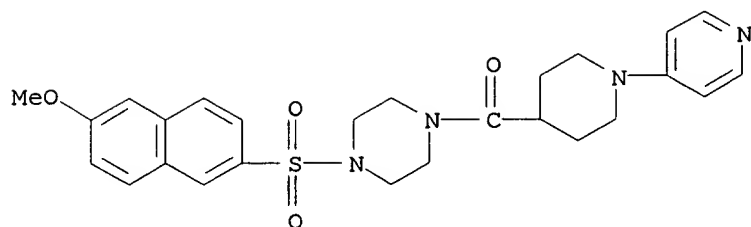
RN 179050-06-7 CAPLUS

CN Piperazine, 1-[(6-bromo-2-naphthalenyl)sulfonyl]-4-[[1-(4-pyridinyl)-4-piperidinyl]carbonyl]- (9CI) (CA INDEX NAME)



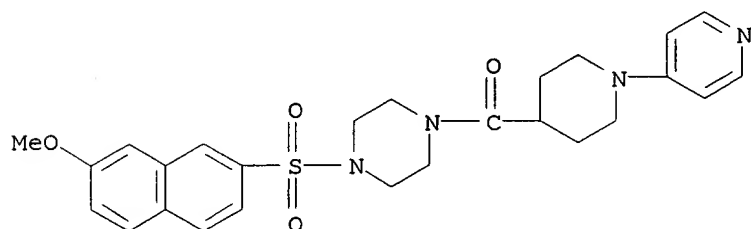
RN 179050-07-8 CAPLUS

CN Piperazine, 1-[(6-methoxy-2-naphthalenyl)sulfonyl]-4-[[1-(4-pyridinyl)-4-piperidinyl]carbonyl]- (9CI) (CA INDEX NAME)



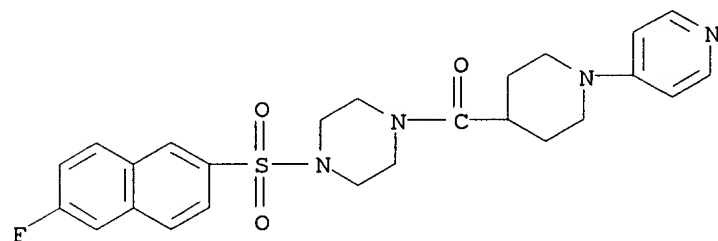
RN 179050-08-9 CAPLUS

CN Piperazine, 1-[(7-methoxy-2-naphthalenyl)sulfonyl]-4-[[1-(4-pyridinyl)-4-piperidinyl]carbonyl]- (9CI) (CA INDEX NAME)



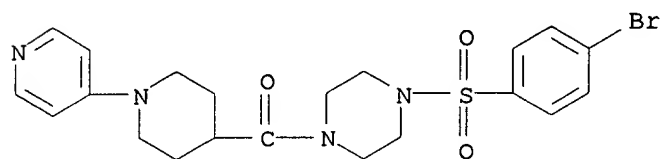
RN 179050-09-0 CAPLUS

CN Piperazine, 1-[(6-fluoro-2-naphthalenyl)sulfonyl]-4-[[1-(4-pyridinyl)-4-piperidinyl]carbonyl]- (9CI) (CA INDEX NAME)



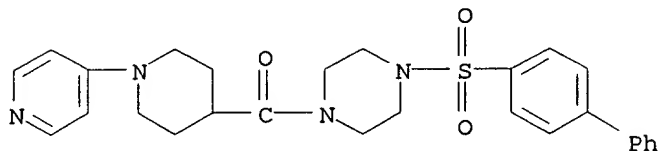
RN 179050-10-3 CAPLUS

CN Piperazine, 1-[(4-bromophenyl)sulfonyl]-4-[[1-(4-pyridinyl)-4-piperidinyl]carbonyl]- (9CI) (CA INDEX NAME)



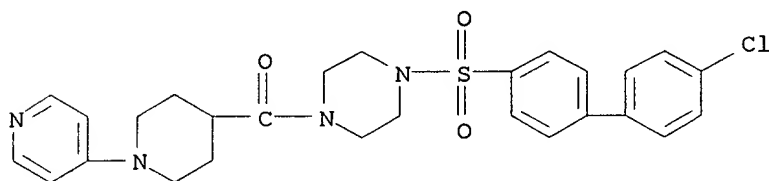
RN 179050-11-4 CAPLUS

CN Piperazine, 1-([1,1'-biphenyl]-4-ylsulfonyl)-4-[[1-(4-pyridinyl)-4-piperidinyl]carbonyl]- (9CI) (CA INDEX NAME)



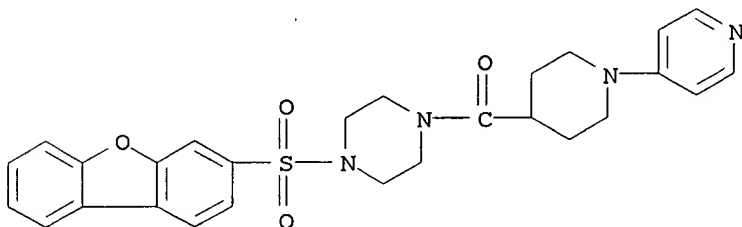
RN 179050-12-5 CAPLUS

CN Piperazine, 1-[(4'-chloro[1,1'-biphenyl]-4-yl)sulfonyl]-4-[[1-(4-pyridinyl)-4-piperidinyl]carbonyl]- (9CI) (CA INDEX NAME)



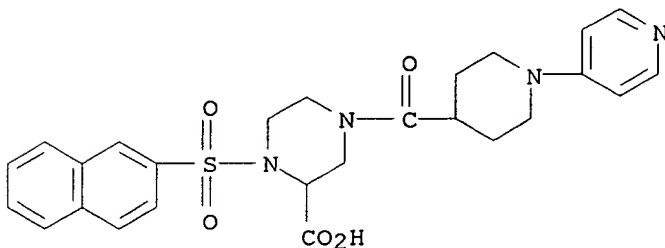
RN 179050-13-6 CAPLUS

CN Piperazine, 1-(3-dibenzofuranylsulfonyl)-4-[[1-(4-pyridinyl)-4-piperidinyl]carbonyl]- (9CI) (CA INDEX NAME)



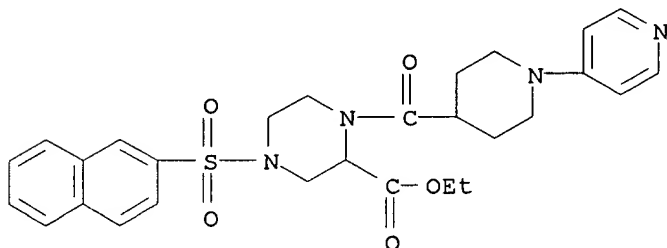
RN 179050-14-7 CAPLUS

CN 2-Piperazinecarboxylic acid, 1-(2-naphthalenylsulfonyl)-4-[[1-(4-pyridinyl)-4-piperidinyl]carbonyl]- (9CI) (CA INDEX NAME)



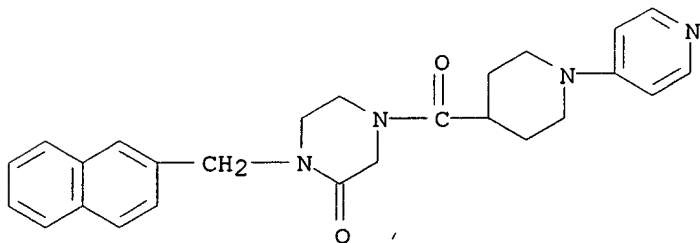
RN 179050-15-8 CAPLUS

CN 2-Piperazinecarboxylic acid, 4-(2-naphthalenylsulfonyl)-1-[[1-(4-pyridinyl)-4-piperidinyl]carbonyl]-, ethyl ester (9CI) (CA INDEX NAME)



RN 179050-17-0 CAPLUS

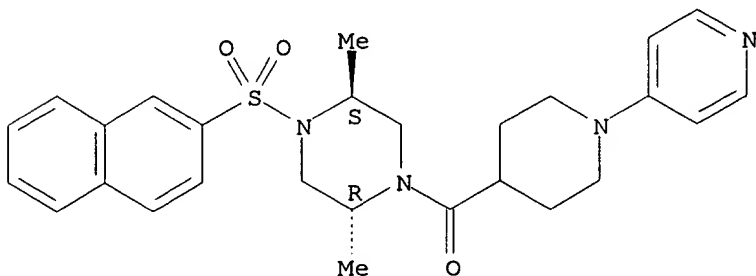
CN Piperazinone, 1-(2-naphthalenylmethyl)-4-[[1-(4-pyridinyl)-4-piperidinyl]carbonyl]- (9CI) (CA INDEX NAME)



RN 179050-22-7 CAPLUS

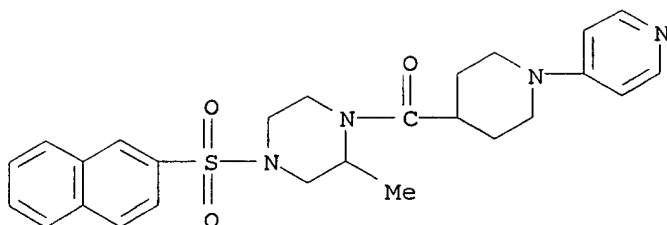
CN Piperazine, 2,5-dimethyl-1-(2-naphthalenylsulfonyl)-4-[[1-(4-pyridinyl)-4-piperidinyl]carbonyl]-, trans- (9CI) (CA INDEX NAME)

Relative stereochemistry.



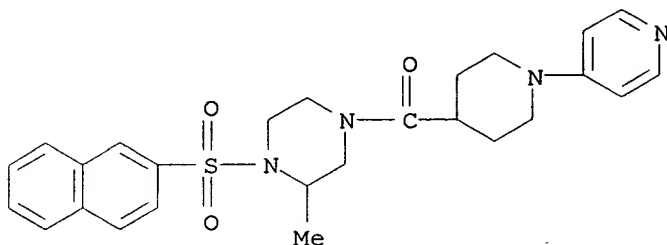
RN 179050-23-8 CAPLUS

CN Piperazine, 2-methyl-4-(2-naphthalenylsulfonyl)-1-[[1-(4-pyridinyl)-4-piperidinyl]carbonyl]- (9CI) (CA INDEX NAME)



RN 179050-24-9 CAPLUS

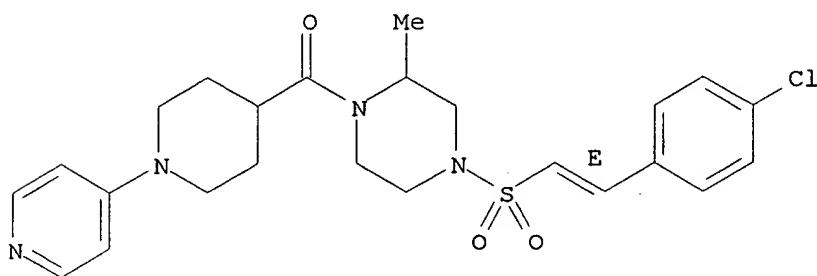
CN Piperazine, 2-methyl-1-(2-naphthalenylsulfonyl)-4-[[1-(4-pyridinyl)-4-piperidinyl]carbonyl]- (9CI) (CA INDEX NAME)



RN 179050-25-0 CAPLUS

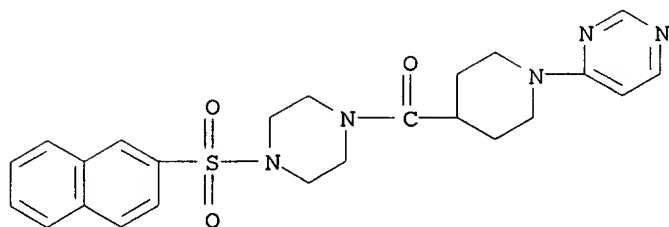
CN Piperazine, 4-[[2-(4-chlorophenyl)ethenyl]sulfonyl]-2-methyl-1-[[1-(4-pyridinyl)-4-piperidinyl]carbonyl]-, (E)- (9CI) (CA INDEX NAME)

Double bond geometry as shown.



RN 179050-26-1 CAPLUS

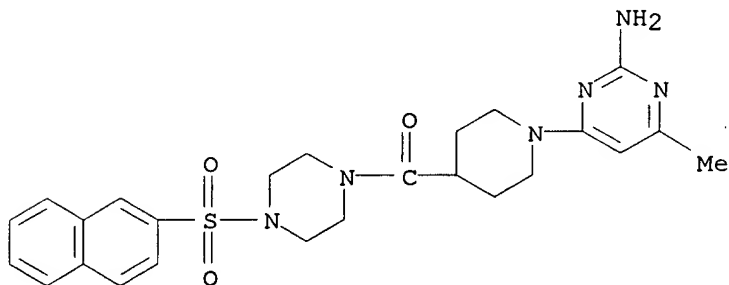
CN Piperazine, 1-(2-naphthalenylsulfonyl)-4-[[1-(4-pyrimidinyl)-4-piperidinyl]carbonyl]-2-methyl-1-[[1-(4-pyridinyl)-4-piperidinyl]carbonyl]- (9CI) (CA INDEX NAME)



RN 179050-27-2 CAPLUS

CN Piperazine,

1-[[1-(2-amino-6-methyl-4-pyrimidinyl)-4-piperidinyl]carbonyl]-
4-(2-naphthalenylsulfonyl)- (9CI) (CA INDEX NAME)

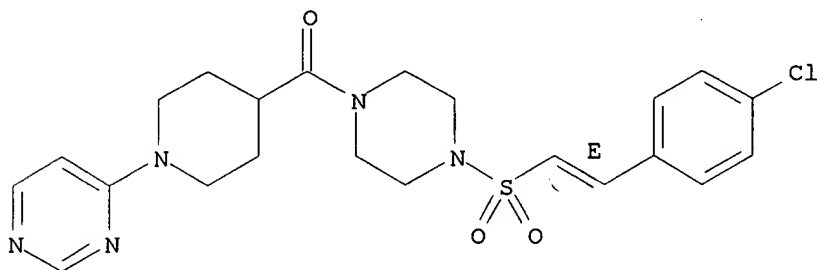


RN 179050-28-3 CAPLUS

CN Piperazine,

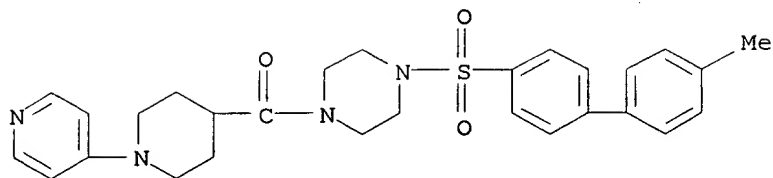
1-[[2-(4-chlorophenyl)ethenyl]sulfonyl]-4-[[1-(4-pyrimidinyl)-
4-piperidinyl]carbonyl]-, (E)- (9CI) (CA INDEX NAME)

Double bond geometry as shown.



RN 179050-29-4 CAPLUS

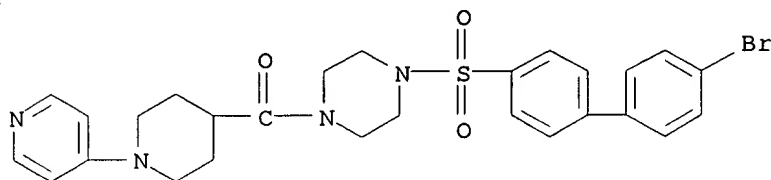
CN Piperazine, 1-[(4'-methyl[1,1'-biphenyl]-4-yl)sulfonyl]-4-[[1-(4-
pyridinyl)-4-piperidinyl]carbonyl]- (9CI) (CA INDEX NAME)



RN 179050-30-7 CAPLUS

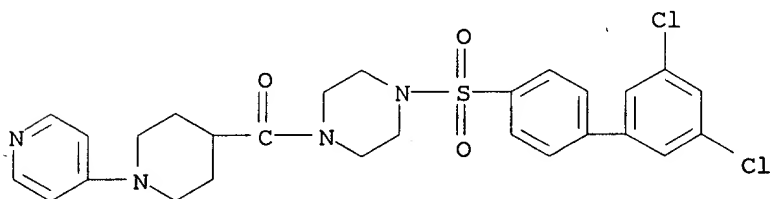
CN Piperazine,

1-[(4'-bromo[1,1'-biphenyl]-4-yl)sulfonyl]-4-[[1-(4-pyridinyl)-4-piperidinyl]carbonyl]- (9CI) (CA INDEX NAME)



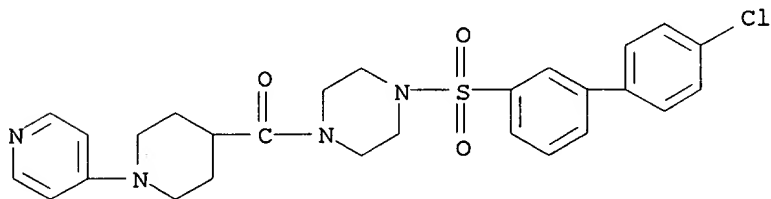
RN 179050-31-8 CAPLUS

CN Piperazine, 1-[(3',5'-dichloro[1,1'-biphenyl]-4-yl)sulfonyl]-4-[[1-(4-pyridinyl)-4-piperidinyl]carbonyl]- (9CI) (CA INDEX NAME)



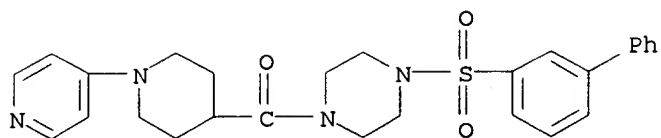
RN 179050-32-9 CAPLUS

CN Piperazine, 1-[(4'-chloro[1,1'-biphenyl]-3-yl)sulfonyl]-4-[[1-(4-pyridinyl)-4-piperidinyl]carbonyl]- (9CI) (CA INDEX NAME)



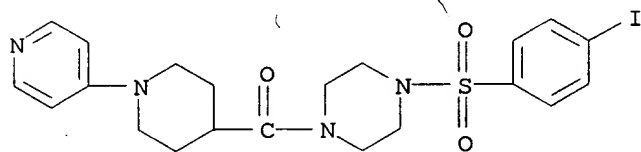
RN 179050-33-0 CAPLUS

CN Piperazine, 1-([1,1'-biphenyl]-3-ylsulfonyl)-4-[[1-(4-pyridinyl)-4-piperidinyl]carbonyl]- (9CI) (CA INDEX NAME)



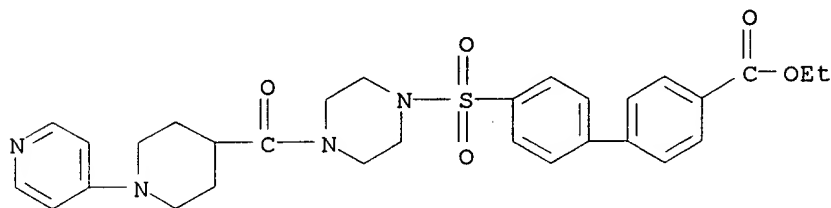
RN 179050-34-1 CAPLUS

CN Piperazine, 1-[(4-iodophenyl)sulfonyl]-4-[[1-(4-pyridinyl)-4-piperidinyl]carbonyl]- (9CI) (CA INDEX NAME)



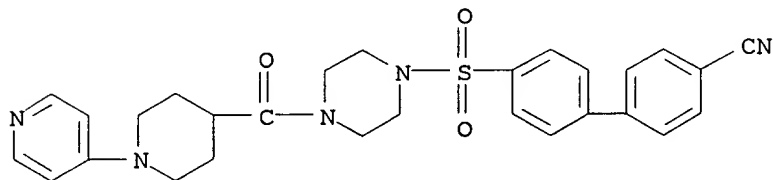
RN 179050-35-2 CAPLUS

CN [1,1'-Biphenyl]-4-carboxylic acid, 4'-[[4-[[1-(4-pyridinyl)-4-piperidinyl]carbonyl]-1-piperazinyl]sulfonyl]-, ethyl ester (9CI) (CA INDEX NAME)



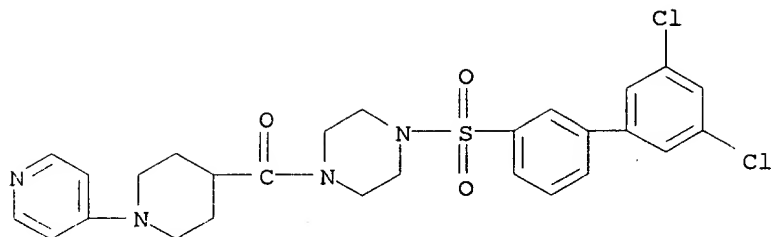
RN 179050-36-3 CAPLUS

CN Piperazine, 1-[(4'-cyano[1,1'-biphenyl]-4-yl)sulfonyl]-4-[[1-(4-pyridinyl)-4-piperidinyl]carbonyl]- (9CI) (CA INDEX NAME)



RN 179050-37-4 CAPLUS

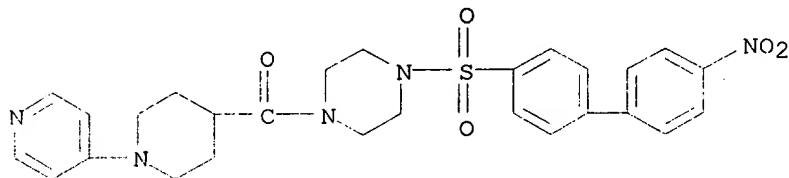
CN Piperazine, 1-[(3',5'-dichloro[1,1'-biphenyl]-3-yl)sulfonyl]-4-[[1-(4-pyridinyl)-4-piperidinyl]carbonyl]- (9CI) (CA INDEX NAME)



RN 179050-38-5 CAPLUS

CN Piperazine,

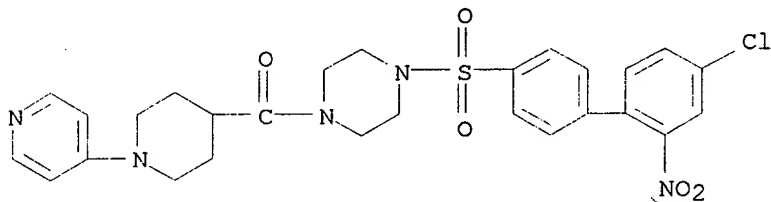
1-[(4'-nitro[1,1'-biphenyl]-4-yl)sulfonyl]-4-[[1-(4-pyridinyl)-4-piperidinyl]carbonyl]- (9CI) (CA INDEX NAME)



RN 179050-39-6 CAPLUS

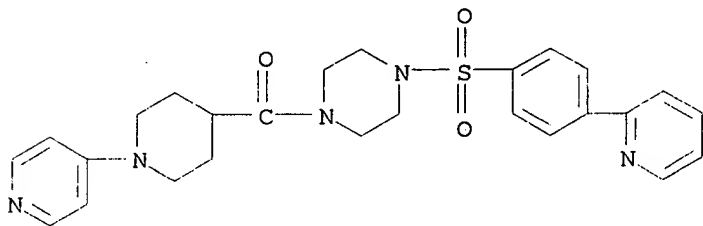
CN Piperazine,

1-[(4'-chloro-2'-nitro[1,1'-biphenyl]-4-yl)sulfonyl]-4-[[1-(4-pyridinyl)-4-piperidinyl]carbonyl]- (9CI) (CA INDEX NAME)

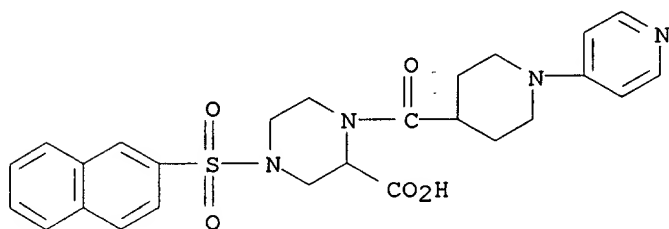


RN 179050-40-9 CAPLUS

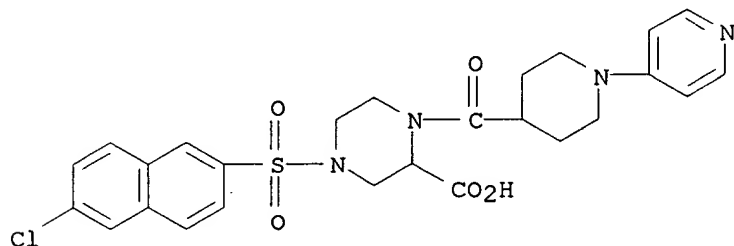
CN Piperazine, 1-[[4-(2-pyridinyl)phenyl]sulfonyl]-4-[[1-(4-pyridinyl)-4-piperidinyl]carbonyl]- (9CI) (CA INDEX NAME)



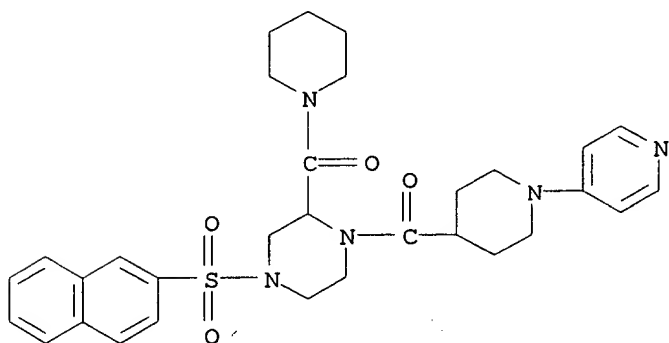
RN 179050-41-0 CAPLUS
 CN 2-Piperazinecarboxylic acid, 4-(2-naphthalenylsulfonyl)-1-[[1-(4-pyridinyl)-4-piperidinyl]carbonyl]- (9CI) (CA INDEX NAME)



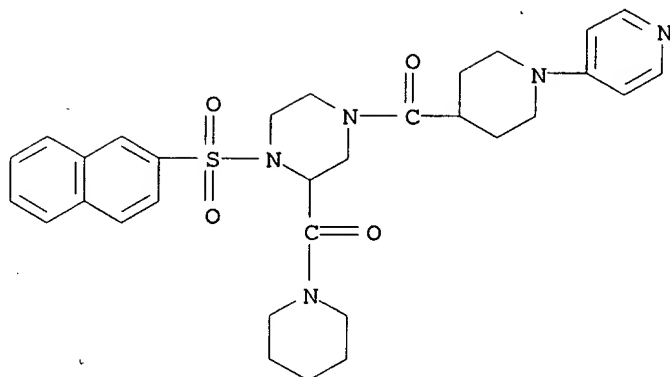
RN 179050-43-2 CAPLUS
 CN 2-Piperazinecarboxylic acid, 4-[(6-chloro-2-naphthalenyl)sulfonyl]-1-[[1-(4-pyridinyl)-4-piperidinyl]carbonyl]- (9CI) (CA INDEX NAME)



RN 179050-44-3 CAPLUS
 CN Piperazine,
 4-(2-naphthalenylsulfonyl)-2-(1-piperidinylcarbonyl)-1-[[1-(4-pyridinyl)-4-piperidinyl]carbonyl]- (9CI) (CA INDEX NAME)

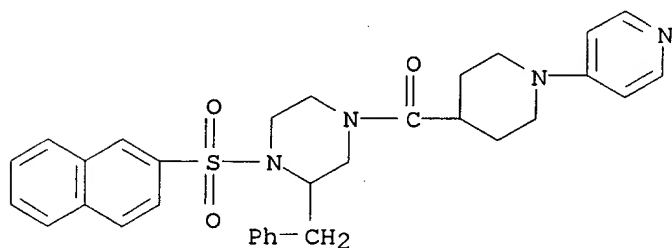


RN 179050-45-4 CAPLUS
 CN Piperazine,
 1-(2-naphthalenylsulfonyl)-2-(1-piperidinylcarbonyl)-4-[[1-(4-pyridinyl)-1-piperidinyl]carbonyl]- (9CI) (CA INDEX NAME)



RN 179050-46-5 CAPLUS

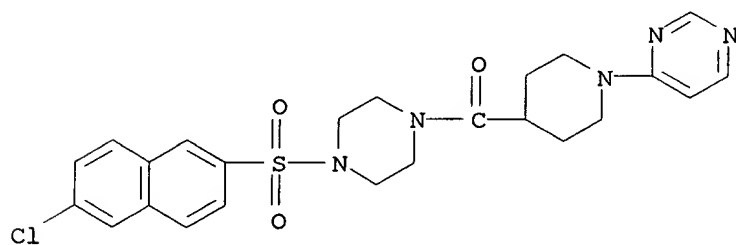
CN Piperazine, 1-(2-naphthalenylsulfonyl)-2-(phenylmethyl)-4-[[1-(4-pyridinyl)-4-piperidinyl]carbonyl]- (9CI) (CA INDEX NAME)



RN 179050-48-7 CAPLUS

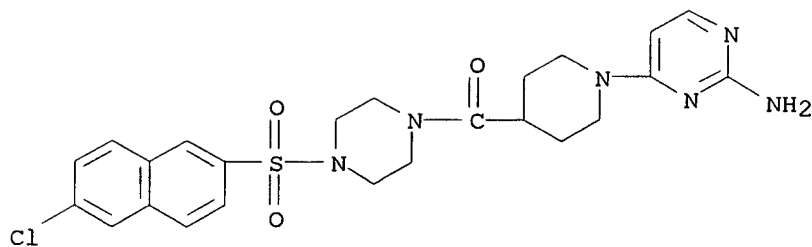
CN Piperazine,

1-[(6-chloro-2-naphthalenyl)sulfonyl]-4-[[1-(4-pyrimidinyl)-4-piperidinyl]carbonyl]- (9CI) (CA INDEX NAME)



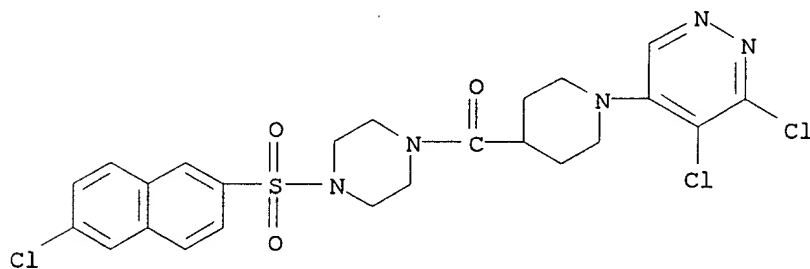
RN 179050-49-8 CAPLUS

CN Piperazine, 1-[[1-(2-amino-4-pyrimidinyl)-4-piperidinyl]carbonyl]-4-[(6-chloro-2-naphthalenyl)sulfonyl]- (9CI) (CA INDEX NAME)



RN 179050-50-1 CAPLUS

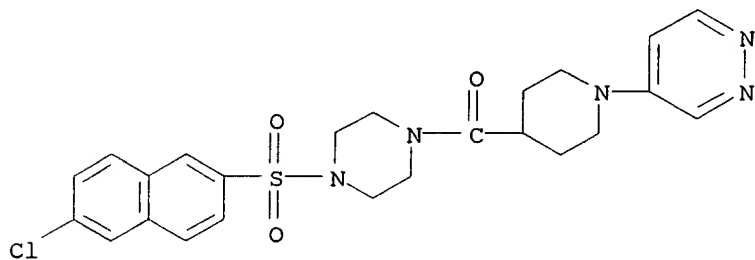
CN Piperazine, 1-[(6-chloro-2-naphthalenyl)sulfonyl]-4-[[1-(5,6-dichloro-4-pyridazinyl)-4-piperidinyl]carbonyl]- (9CI) (CA INDEX NAME)



RN 179050-51-2 CAPLUS

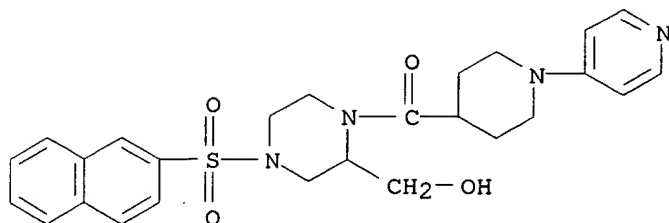
CN Piperazine,

1-[(6-chloro-2-naphthalenyl)sulfonyl]-4-[[1-(4-pyridazinyl)-4-piperidinyl]carbonyl]- (9CI) (CA INDEX NAME)



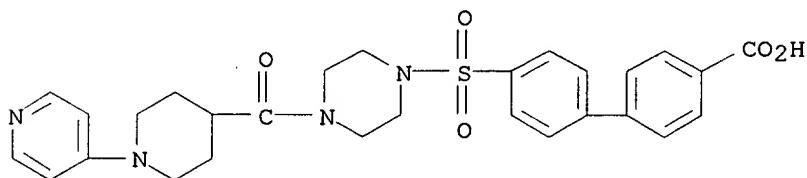
RN 179050-56-7 CAPLUS

CN 2-Piperazinemethanol, 4-(2-naphthalenylsulfonyl)-1-[[1-(4-pyridinyl)-4-piperidinyl]carbonyl]- (9CI) (CA INDEX NAME)



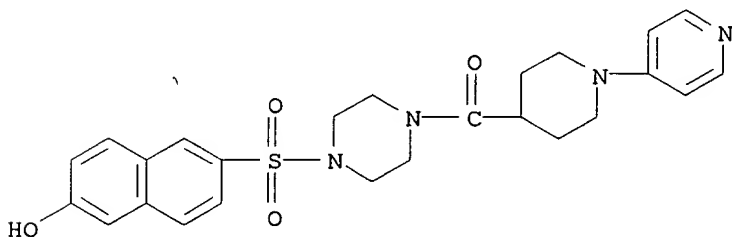
RN 179050-58-9 CAPLUS

CN [1,1'-Biphenyl]-4-carboxylic acid, 4'-[[4-[[1-(4-pyridinyl)-4-piperidinyl]carbonyl]-1-piperazinyl]sulfonyl]- (9CI) (CA INDEX NAME)



RN 179050-59-0 CAPLUS

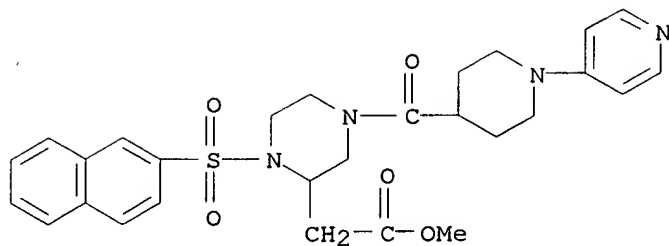
CN Piperazine, 1-[(6-hydroxy-2-naphthalenyl)sulfonyl]-4-[[1-(4-pyridinyl)-4-piperidinyl]carbonyl]-, sodium salt (9CI) (CA INDEX NAME)



● Na

RN 179050-60-3 CAPLUS

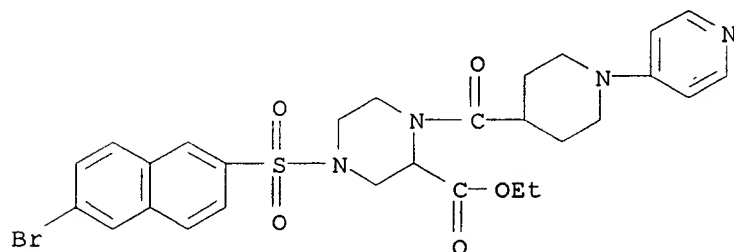
CN 2-Piperazineacetic acid,
1-(2-naphthalenylsulfonyl)-4-[[1-(4-pyridinyl)-4-piperidinyl]carbonyl]-, methyl ester (9CI) (CA INDEX NAME)



RN 179050-61-4 CAPLUS

CN 2-Piperazinecarboxylic acid,

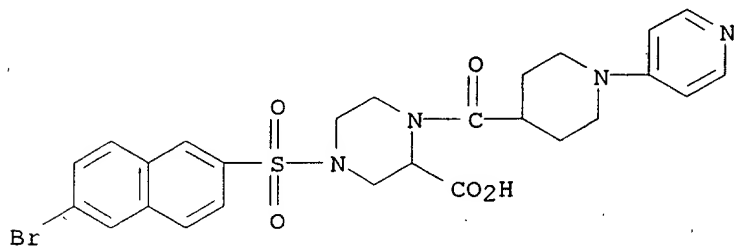
4-[(6-bromo-2-naphthalenyl)sulfonyl]-1-[[1-(4-pyridinyl)-4-piperidinyl]carbonyl]-, ethyl ester (9CI) (CA INDEX NAME)



RN 179050-62-5 CAPLUS

CN 2-Piperazinecarboxylic acid,

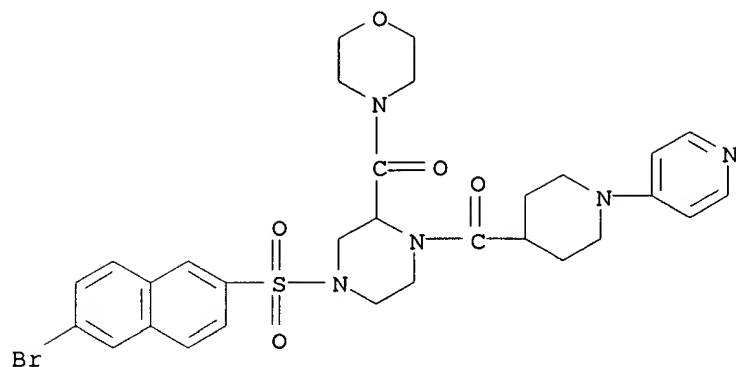
4-[(6-bromo-2-naphthalenyl)sulfonyl]-1-[[1-(4-pyridinyl)-4-piperidinyl]carbonyl]- (9CI) (CA INDEX NAME)



RN 179050-63-6 CAPLUS

CN Morpholine,

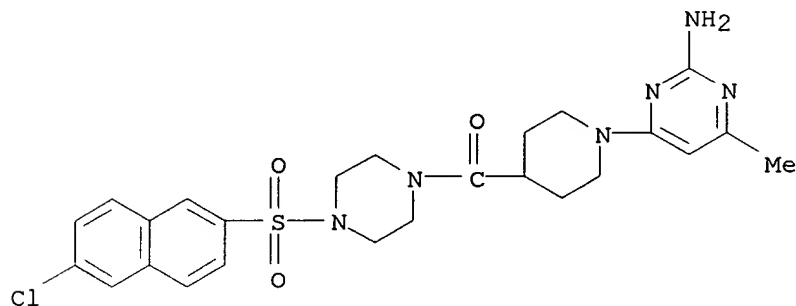
4-[[4-[(6-bromo-2-naphthalenyl)sulfonyl]-1-[[1-(4-pyridinyl)-4-piperidinyl]carbonyl]-2-piperazinyl]carbonyl]- (9CI) (CA INDEX NAME)



RN 179050-65-8 CAPLUS

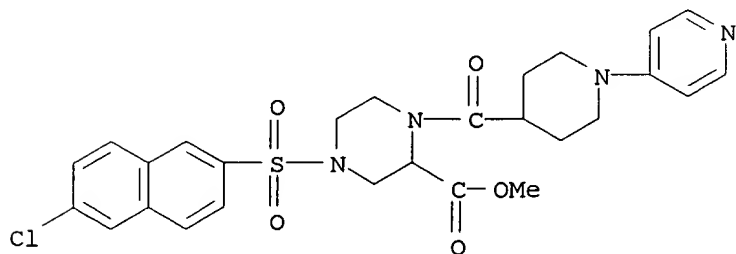
CN Piperazine,

1-[[1-(2-amino-6-methyl-4-pyrimidinyl)-4-piperidinyl]carbonyl]-
4-[(6-chloro-2-naphthalenyl)sulfonyl]- (9CI) (CA INDEX NAME)



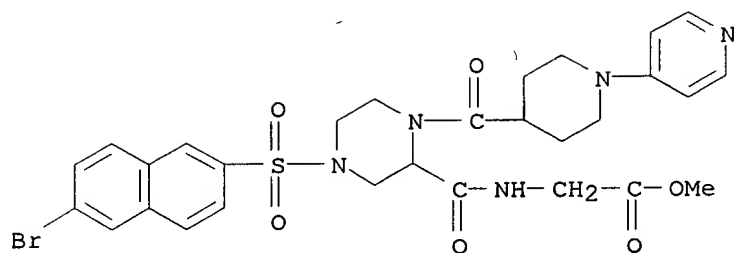
RN 179050-66-9 CAPLUS

CN 2-Piperazinecarboxylic acid, 4-[(6-chloro-2-naphthalenyl)sulfonyl]-1-[[1-(4-pyridinyl)-4-piperidinyl]carbonyl]-, methyl ester (9CI) (CA INDEX NAME)



RN 179050-69-2 CAPLUS

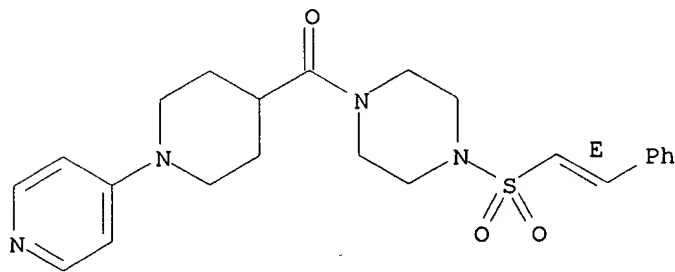
CN Glycine, N-[[4-[(6-bromo-2-naphthalenyl)sulfonyl]-1-[[1-(4-pyridinyl)-4-piperidinyl]carbonyl]-2-piperazinyl]carbonyl]-, methyl ester (9CI) (CA INDEX NAME)



RN 179051-81-1 CAPLUS

CN Piperazine, 1-[(2-phenylethenyl)sulfonyl]-4-[[1-(4-pyridinyl)-4-piperidinyl]carbonyl]-, (E)- (9CI) (CA INDEX NAME)

Double bond geometry as shown.

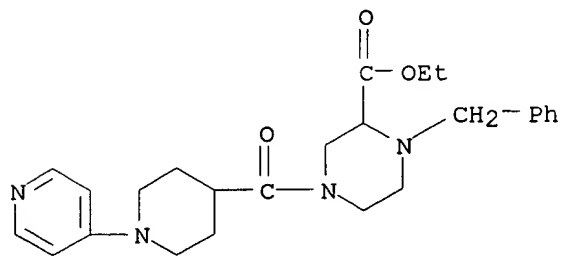


IT 179051-10-6P

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation)
(prepn. of aminoheterocyclic derivs. as antithrombotic or
anticoagulant agents)

RN 179051-10-6 CAPLUS

CN 2-Piperazinecarboxylic acid, 1-(phenylmethyl)-4-[[1-(4-pyridinyl)-4-piperidinyl]carbonyl]-, ethyl ester (9CI) (CA INDEX NAME)



=> d his

09/ 582,442

(FILE 'HOME' ENTERED AT 10:05:32 ON 09 JAN 2001)

FILE 'REGISTRY' ENTERED AT 10:05:38 ON 09 JAN 2001

L1 STRUCTURE UPLOADED

L2 18 S L1

L3 375 S L1 FUL

FILE 'CAPLUS' ENTERED AT 10:06:53 ON 09 JAN 2001

L4 8 S L3

=> log y

COST IN U.S. DOLLARS	SINCE FILE	TOTAL
	ENTRY	SESSION
FULL ESTIMATED COST	36.12	170.14
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE	TOTAL
	ENTRY	SESSION
CA SUBSCRIBER PRICE	-4.70	-4.70

STN INTERNATIONAL LOGOFF AT 10:11:31 ON 09 JAN 2001